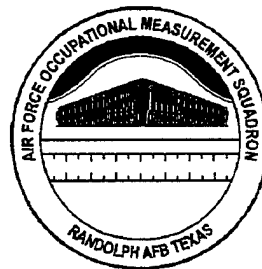




**UNITED STATES
AIR FORCE**



OCCUPATIONAL SURVEY REPORT



**SURVIVAL EQUIPMENT
AFSC 2A7X4**

OSSN: 2315

APRIL 1999

**OCCUPATIONAL ANALYSIS PROGRAM
AIR FORCE OCCUPATIONAL MEASUREMENT SQUADRON
AIR EDUCATION and TRAINING COMMAND
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PREFACE

This report presents the results of an Air Force Occupational Survey of the Survival Equipment career ladder, Air Force Specialty Code (AFSC) 2A7X4. Authority for conducting occupational surveys is contained in AFI 36-2623. Computer products used in this report are available for use by operations and training officials.

Captain Ian Jackson, Canadian Armed Forces, developed the survey instrument. Ms. Karen Tilghman provided computer-programming support. Lieutenant David W. May analyzed the data and wrote the final report. This report has been reviewed and approved by Lieutenant Colonel Roger W. Barnes, Chief, Airman Analysis Section, Occupational Analysis Flight, Air Force Occupational Measurement Squadron (AFOMS).

Copies of this report are distributed to Air Staff sections, major commands, and other interested training and management personnel. Additional copies are available upon request to AFOMS/OMYXI, 1550 5th Street East, Randolph Air Force Base, Texas 78150-4449, or by calling DSN 487-5543. For information on the Air Force occupational survey process or other on-going projects, visit our web site at <http://www.omsq.af.mil>.

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SUMMARY OF RESULTS

1. **Survey Coverage:** The Survival Equipment career ladder was surveyed to provide current job and task data for use in updating career ladder documents and training programs. Survey results are based on responses from 775 Active Duty (AD), Air Force Reserve Command (AFRC), and Air National Guard (ANG) members accounting for 63 percent of the total surveyed population.
2. **Specialty Jobs:** Three clusters and five jobs were identified in the career ladder structure analysis accounting for 93 percent of the total sample. The remaining 7 percent, for one reason or another, did not group into any of the identified jobs and clusters. The largest cluster, Survival Equipment Maintenance, encompassed the three core jobs of the career ladder. Respondents from this cluster perform the largest average number of tasks, mainly concentrated on the servicing of flotation equipment, parachutes, and related systems. The other large groups were the Flotation Equipment Maintenance Cluster and the Supervisory/Management Cluster.
3. **Career Ladder Progression:** AFSC 2A7X4 personnel progress typically through the career ladder. At the 3- and 5-skill levels, the majority of incumbents perform tasks that are predominantly technical in nature, centered mostly on servicing of flotation equipment, personnel parachute systems, and conducting general and shop maintenance. At the 7-skill level, incumbents report performing some technical tasks, but have more emphasis on supervisory, management, and administrative functions as outlined in the specialty description. ANG and AFRC respondents remain more technically oriented than their AD counterparts at the 7-skill level.
4. **Training Analysis:** A match of the survey data to the current STS revealed only minor discrepancies. Five sub-areas of the STS were identified as possibly needing proficiency coding due to tasks performed by high percentages of the career ladder within. Overall, the data matched the STS well and supported all areas that were coded. Other areas without coding should be examined by career ladder personnel for possible deletion. A task match to the POI was also accomplished and results were very favorable with only four areas requiring review. On the whole, the POI was highly supported by the survey data.
5. **Job Satisfaction:** In most categories, job satisfaction remains comparable to similar AFSCs. Perceived utilization of training is very high. However, job interest for the first- and second-enlistment personnel is somewhat lower than in comparative career ladders. An examination of past job interest indicators for this career ladder has shown that this is the norm, but there has been a small drop in the overall job satisfaction ratings for the second enlistment career group. Also, reenlistment intentions have dropped for both the first and second career ladder groups since the previous study.
6. **Implications:** The current AFSC 2A7X4 career ladder structure reflects a typical job progression. Most personnel are performing duties that center on the servicing of parachutes and flotation equipment.

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OCCUPATIONAL SURVEY REPORT (OSR)

SURVIVAL EQUIPMENT (AFSC 2A7X4)

INTRODUCTION

This report is an analysis of occupational survey data from the Survival Equipment career ladder conducted by the Air Force Occupational Measurement Squadron (AFOMS). Authority for conducting occupational surveys is contained in AFI 36-2623. Computer products used in this report are available for use by operations and training officials. The last OSR pertaining to this career ladder was published in March 1994. The data contained herein will be used to identify current utilization patterns among AFSC 2A7X4 personnel and evaluate career ladder documents and training programs.

Background

According to AFMAN 36-2108, *Airman Classification*, 31 Oct 98, Specialty Description, dated 30 Apr 95, Survival Equipment members are responsible for the following: disassembling, assembling, inspecting, fabricating, cleaning, repairing, and packing aerospace weapon system components such as protective clothing, upholstery, thermal radiation barriers, protective covers, flotation equipment, emergency evacuation systems, and parachutes; planning and scheduling of parachute and fabric activities; and operating, maintaining, and inspecting of survival equipment machinery, test equipment, and tools.

Personnel entering the AFSC 2A7X4 career ladder must attend the basic course at Sheppard AFB, TX, designated J3ABR2A734-001, Survival Equipment Apprentice (Mission Ready Technician), which is comprised of seven blocks of instruction lasting 66 instructional days.

This course trains airmen in the use and maintenance of survival equipment to include parachutes, life rafts, anti-exposure suits, life preservers, and flotation equipment. Upon completion of this AFSC-awarding course, the graduate is awarded the 3-skill level.

Entry into this career ladder currently requires an Armed Forces Vocational Aptitude Test Battery (ASVAB) aptitude requirement of Mechanical 44 and a Strength Factor requirement of "J" (weight lift of 60 lbs.).

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SURVEY METHODOLOGY

Inventory Development

The data collection instrument for this occupational survey was USAF Job Inventory (JI) Occupational Survey Study Number (OSSN) 2315, dated March 1998. A tentative task list was prepared after reviewing pertinent career ladder publications and directives, pertinent tasks from the previous survey instrument, and data from the last OSR. The preliminary task list was refined and validated through personal interviews with 50 subject-matter experts (SMEs) at the following training location and operational installations:

BASE	UNIT VISITED
Sheppard AFB TX	361 TRS/RW
Dyess AFB TX	7EMS/LGMFE & 317 OSS/OSSDA
Barksdale AFB LA	2MXS/LGMFE & 917 MXS/LGMFE (ARTS)
Holloman AFB NM	49MXS/LGMFE 49MMG/BMSF
Travis AFB CA	60EMS/LGMFC
Nellis AFB NV	57EMS/LGMFE

The resulting JI contained a comprehensive listing of 803 tasks grouped under 25 duty headings. Also included was a background section requesting information such as grade, base, MAJCOM assigned, organizational level, component status, job title, functional area, work schedule, sewing machines used, equipment serviced, and aircraft serviced.

Survey Administration

From April 1998 through July 1998, base training offices at operational units worldwide administered the inventory to eligible AFSC 2A7X4 personnel. Job incumbents were selected from a computer-generated mailing list obtained from personnel data tapes maintained by the Air Force Personnel Center, Randolph AFB TX.

Each individual surveyed first completed a background information section (see above) and then progressed to a Duty-Task section in which each task performed by the incumbent in his/her current job was checked. After completion, each incumbent then went back and indicated relative time spent on each task as compared to all other tasks performed. This was accomplished by utilizing a 9-point scale in which a "1" indicated a relatively small percentage of time spent, and a "9" indicated a relatively high percentage.

To determine relative time spent for each task checked, all of the incumbent's ratings were first summed, and the resulting total was used as a divisor for each rating. The resulting number was then multiplied by 100 to get a relative time spent rating for each task.

Survey Sample

Personnel were selected to participate in this survey to ensure an accurate representation across major commands (MAJCOMs) and military paygrade groups. All eligible AD, ANG, and AFRC AFSC 2A7X4 personnel were mailed survey booklets. All AFSC 2A7X4 personnel were considered eligible unless they were in one of the following categories: (1) hospitalized during administration period; (2) in transition for a permanent change of station; (3) retiring during administration period; (4) in their job for less than 6 weeks.

Table 1 reflects the percentage distribution, by MAJCOM, of personnel assigned to the AFSC 2A7X4 career ladder, followed by the percent sampled. Table 2 reflects the paygrade and Duty AFSC (DAFSC) distribution for 2A7X4 personnel.

TABLE 1

COMMAND REPRESENTATION OF AFSC 2A7X4 SURVEY SAMPLE

MAJCOM	PERCENT OF ASSIGNED*	PERCENT OF SAMPLE**
ACC	20	22
AMC	14	17
PACAF	6	7
AETC	6	7
USAFE	5	4
AFSOC	4	5
AFMC	2	2
EUR	1	1
ANG	29	25
AFRC	13	10

TABLE 2

PAYGRADE/DAFSC REPRESENTATION OF SURVEY SAMPLE

GRADE	PERCENT OF ASSIGNED*	PERCENT OF SAMPLE**
E-1 - E-3	16%	19%
E-4	21%	21%
E-5	31%	31%
E-6	23%	21%
E-7	9%	8%
E-8	0%	0%
DAFSC		
2A734	18%	21%
2A754	56%	56%
2A774	26%	23%

*TOTAL ASSIGNED = 1,236
(AD = 708, ANG = 364, AFRC = 164)

**TOTAL IN SAMPLE = 775
(AD = 505, ANG = 191, AFRC = 79)

*	Assigned strength as of April 1998
**	Excludes personnel in PCS, student, or hospital status, or less than 6 weeks on the job

As shown in Tables 1 and 2, the percentages of members by MAJCOM, paygrade, and DAFSC for the entire population and the survey sample are very similar, with only slight variations. These data indicate a high probability that the survey sample is an accurate representation of the entire career ladder population.

Task Factor Administration

Job descriptions alone usually do not provide sufficient data for making decisions about career ladder documents or training programs. Task factor information is needed for a complete analysis of the career ladder. To obtain the needed task factor data, selected senior AFSC 2A7X4 personnel (generally E-6 or E-7 craftsmen) also completed a second booklet entitled either "Training Emphasis" (TE) or "Task Difficulty" (TD). These booklets were processed separately from the JIs and the information gathered was used in a number of different analyses within this report.

Training Emphasis (TE): TE is a rating of the amount of emphasis that should be placed on tasks in entry-level training. The 60 senior AFSC 2A7X4 NCOs who completed TE booklets were asked to select tasks they felt should be taught to entry level (1-48 months in service) personnel in some sort of structured training. Then they were asked to indicate how much training emphasis these tasks should receive, from 1 (extremely low emphasis) to 9 (extremely high emphasis).

Structured training is defined as training provided at resident training schools, field training detachments (FTD), mobile training teams (MTT), formal on-the-job-training (OJT), or any other organized training method. The agreement among these 60 raters was acceptable. The average TE rating was 2.13, with a standard deviation of 2.94. Any task with a TE rating of 5.07 or above is considered to have high TE.

Task Difficulty (TD): TD is an estimate of the average amount of time needed for a member to learn each task satisfactorily. The 52 senior NCOs who completed TD booklets were asked to rate the difficulty of each task using a 9-point scale (extremely low to extremely high). Interrater reliability was acceptable. Ratings were standardized so tasks have an average difficulty of 5.00 and a standard deviation of 1.00. Any task with a TD rating of 6.00 or above is considered to be difficult to learn.

When used in conjunction with the primary criterion of percent members performing, TE and TD ratings can provide insight into first-enlistment personnel training requirements. Such insights may suggest a need for lengthening or shortening portions of instruction supporting entry-level jobs.

SPECIALTY JOBS

To accurately analyze any career field, it becomes necessary to first identify the specific jobs being accomplished by the members of that career field. In order to do this, the analyst utilizes the Comprehensive Occupational Data Analysis Program (CODAP) to create an individual job description (case) for each respondent based on the tasks performed and relative amount of time spent by the respondent on these tasks.

The CODAP automated job clustering program compares all of the individual job descriptions, and then groups these cases by similarities in response. Based on the amount of similarity between cases, CODAP will either add new members to this initial group or form new groups which are slightly broader in scope.

The basic group used in the hierarchical clustering process is the *Job*. When two or more jobs have a substantial degree of similarity, but are distinct in nature, they may be grouped together and identified as a *Cluster*. Following this logic, the structure of the career ladder is then defined in terms of jobs and clusters of jobs.

Task Modules (TMs): Most tasks in the job inventory are usually co-performed with other similar tasks and together make up what is called a task module. Together with CODAP, the analyst identifies these modules and uses them to identify jobs and clusters during the analysis.

An abbreviated listing of task modules associated with each job are given in the job descriptions along with the average time spent by incumbents in each. A complete list of tasks associated with each task module is listed for reference in Appendix B.

Overview of AFSC 2A7X4 Jobs

Based on analysis of the data received, five jobs and three clusters were identified within this career ladder. Figure 1 illustrates the jobs and clusters performed by AFSC 2A7X4 personnel.

A listing of the specialty job structure is provided below. The stage (ST) number shown beside each title references computer printed information, the letter "N" indicates the number of personnel in each group.

- I. SURVIVAL EQUIPMENT MAINTENANCE CLUSTER (ST049, N=516)
 - A. Survival Equipment Maintenance Job
 - B. Deceleration or Drag Parachute Maintenance Job
 - C. Personnel Recovery System Maintenance Job
- II. FLOTATION EQUIPMENT MAINTENANCE CLUSTER (ST040, N=74)
 - A. Life Preserver Maintenance Job
 - B. Flotation Equipment Maintenance Job

- III. SUPERVISORY/ MANAGEMENT CLUSTER (ST032, N=64)
 - A. Supervisory/Management Job
 - B. Section Supervisor Job
 - C. Special Operations Section Supervisor Job
- IV. PROTECTIVE CLOTHING MAINTENANCE JOB (ST071, N=9)
- V. PERSONNEL PARACHUTE SYSTEM MAINTENANCE JOB (ST042, N=15)
- VI. FABRICATION JOB (ST061, N=17)
- VII. MOBILE EQUIPMENT MAINTENANCE JOB (ST066, N=5)
- VIII. AERIAL DELIVERY SQUADRON JOB (ST050, N=13)

The respondents forming these jobs and clusters account for 93 percent of the survey sample. The remaining 7 percent, because of dissimilarities with the rest of the career ladder, did not group into any of these jobs or clusters. Examples of job titles for not grouped personnel include "CDC Writer", "Resource Manager", and "First Sergeant".

AFSC 2A7X4 CAREER LADDER SPECIALTY JOBS (N = 775)

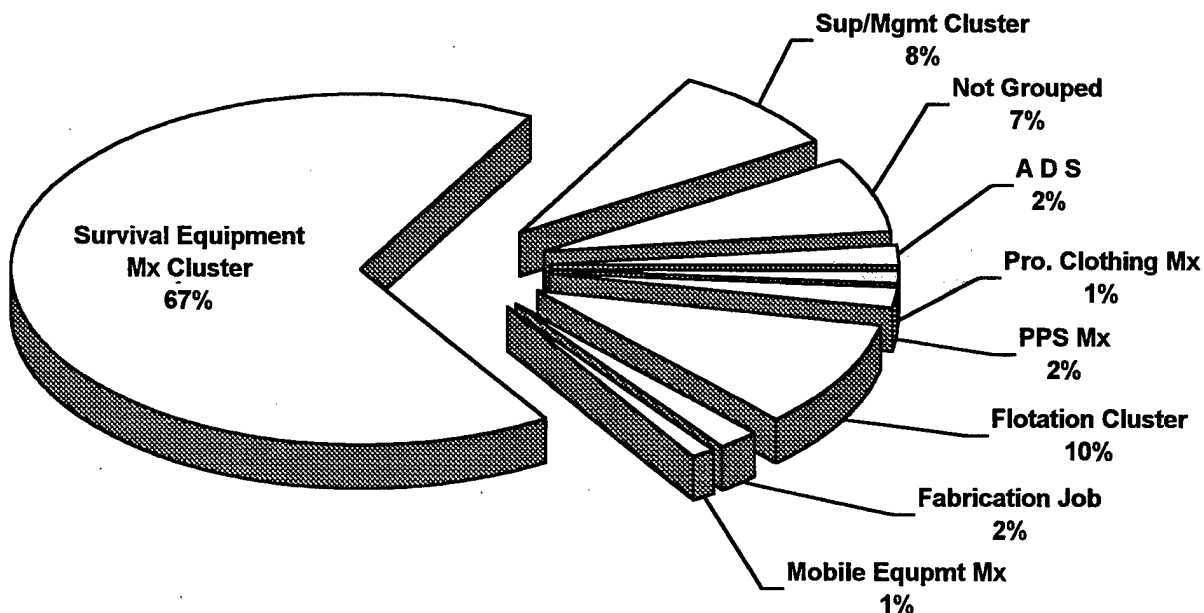


FIGURE 1

Group Descriptions

Following are brief descriptions of the jobs and clusters identified during the career ladder structure analysis. Table 3 presents the relative time spent on duties by members of these specialty jobs and clusters. Selected background data for these jobs and clusters are provided in Table 4. Representative tasks for all groups are contained in Appendix A. Table 5 shows a job comparison between the current and 1993 surveys.

I. SURVIVAL EQUIPMENT MAINTENANCE CLUSTER (ST049). The 516 airmen performing within this cluster (67 percent of the survey sample) represent the core of the career ladder. Three key jobs make up this cluster.

A. The Survival Equipment Maintenance Job members constitute the largest group within this cluster at 435 members and perform the core work of this career ladder. Their main duties (11 percent of their time) are evenly distributed between the servicing of personnel parachute systems, life rafts, and life preservers as is shown in Table 3. What distinguishes them most is their lack of specialization in any one area. The average number of tasks performed by this group is 258, the highest of any other job or cluster, indicating its diversity. Typical tasks performed include:

- Deflate life preservers
- Pack life preservers
- Functionally test life preservers
- Inspect life preservers
- Weigh life preserver CO₂ cartridges
- Change thread on sewing machines
- Clean sewing machines
- Deflate life rafts
- Adjust pressures for life rafts
- Apply talcum powder to life rafts
- Pack personnel parachutes

Representative TM's for this job include:

TM	MODULE TITLE	Number of Tasks In Module	Percent Time Spent	Cumulative Time Spent
6	Flotation Equipment Mx (5-skill level)	26	12	12
11	Personnel Parachute System Mx (5-skill level)	51	12	24
9	Flotation Equipment Mx (7-skill level)	29	8	32
8	Fabrication (protective covers)	25	7	39
12	Refurbishment	33	6	45
5	Sewing Machine Mx (5-skill level)	11	5	50
7	Organizational Clothing Mx	5	2	52

The actual tasks associated with each of these task modules can be referenced in Appendix B of this OSR. As can be seen, most of the incumbents time is spent performing flotation equipment and personnel parachute maintenance related tasks. Fabrication and refurbishment also take up a noticeable percentage of their time.

Referring to Table 4, one can see that about 58 percent of the members within this job are at the 5-skill level, 29 percent at the 7-skill level, and the rest are at the 3-skill level. Fifty-two percent of these airmen are AD averaging about 8 years in the career field. The predominant paygrade of this cluster is E-5.

B. The second job identified by its unique characteristics within this cluster is the **Deceleration or "Drag" Parachute Maintenance Job**. In addition to performing many of the same tasks as the Survival Equipment Maintenance Job members, the members of this job also spend 23 percent of their time (Table 3) servicing personnel parachute systems. However, the distinguishing feature of these airmen is the large amount of time (10 percent) they spend servicing deceleration parachute systems, such as those found on the B-52. No other group within this AFSC spends nearly as much time performing these tasks. Average number of tasks performed is 170. Examples of tasks unique to this job include:

- Assess damage to determine repairability of deceleration parachutes
- Remove or replace personnel parachute system automatic survival kit actuators
- Pack deceleration parachutes
- Remove or replace deceleration parachute system pilot chutes
- Inspect deceleration parachutes

Representative TM's for this job include:

TM	MODULE TITLE	Number of Tasks in Module	Percent Time Spent	Cumulative Time Spent
11	Personnel Parachute System Mx (5-skill level)	51	25	25
6	Flotation Equipment Mx (5-skill level)	26	13	38
1	Fighter/Bomber Related Systems Mx	45	11	49
29	Drag Parachute Mx	31	10	59
5	Sewing Machine Mx (5-skill level)	11	6	65
9	Flotation Equipment Mx (7-skill level)	29	5	70

Although a large amount of these members time is spent in tasks related to personnel parachute systems (TMs 11 & 1), the emphasis on deceleration or drag chute related tasks (TM 29) is what characterizes this job from any other.

As indicated by Table 4, about 58 percent of these job members are performing at the 3-skill level and 42 percent at the 5-skill level. Of these, 95 percent of the incumbents are AD and the rest ANG. Average time in the career field is 4 years. All members of this job are stationed within the Continental United States (CONUS).

C. The final job recognized within this cluster is the **Personnel Recovery System Maintenance Job**. As can be seen in Table 3, the members of this job perform many of the core tasks of this cluster. The exception is the large amount of their time, about 13 percent, spent performing tasks within Duty J, *Servicing Personnel Recovery System Parachutes*, such as are found on most fighter and bomber aircraft. These members perform an average of 136 tasks. Examples of tasks that distinguish this job include:

- Pack Drogue parachutes
- Inspect drogue parachutes
- Remove or replace LPU-9/P or LPU-9/AP inflators
- Inspect universal water-activated release system (UWARS)
- Pack personnel recovery system parachutes
- Modify anti-G suits
- Inspect personnel recovery parachutes

Representative TM's for this job include:

TM	MODULE TITLE	Number of Tasks in Module	Percent Time Spent	Cumulative Time Spent
1	Fighter/Bomber Related Systems Mx	45	22	22
6	Flotation Equipment Mx (5-skill level)	26	18	40
5	Sewing Machine Mx (5-skill level)	11	7	47
9	Flotation Equipment Mx (7-skill level)	29	7	54
8	Fabrication (protective covers)	25	6	60
7	Organizational Clothing Mx	5	3	63

Task Module 1, Fighter/Bomber Related Systems Maintenance, is where the members of this job spend the bulk of their time. Most of the tasks within this module are related to the Personnel Recovery System and Drogue parachutes. Table B1 in Appendix B is a complete listing.

As shown in Table 4, 3- and 5-skill level personnel each comprise 50 percent of this job. No 7-skill level respondents fell within this job. Most job members are AD (87 percent) and the rest are ANG. No AFRC respondents fell within this category. Average time in career field is slightly over 4 years and the primary paygrade is E-4.

II. FLOTATION EQUIPMENT MAINTENANCE CLUSTER (ST040). Members within this cluster, although performing many of the same duties as the preceding cluster, distinguish themselves by a higher emphasis on performance of tasks regarding the servicing of flotation equipment such as life rafts, life preservers, and associated equipment.

A. The **Life Preserver Maintenance Job** was the first identified within this cluster. The 11 members forming this job perform mainly tasks found within Duty L, *Servicing Life Preservers*, as is evidenced by Table 3. The bulk of the remainder of their time (20 percent) is spent in the servicing and maintenance of life rafts, which indicates why this job remains part of the overall Flotation Equipment Maintenance Cluster. An average of 57 tasks are performed by these members and typically include:

- Deflate life preservers
- Pack life preservers
- Inspect life preservers
- Inflate life preservers to perform leakage inspections
- Functionally test life preservers

Representative TM's for this job include:

TM	MODULE TITLE	Number of Tasks in Module	Percent Time Spent	Cumulative Time Spent
6	Flotation Equipment Mx (5-skill level)	26	46	46
9	Flotation Equipment Mx (7-skill level)	29	14	60
11	Personnel Parachute System Mx (5-skill level)	51	8	68
5	Sewing Machine Mx (5-skill level)	11	6	74

Because most of the life raft and life preserver tasks are interspersed with each other, the associated module is simply called Flotation Equipment Maintenance. These members spend a large amount of their time performing the life preserver related tasks within this module.

Table 4 shows that most of these respondents (82 percent) are ANG and the remainder active duty. All are performing at the 5-level, and most are at the E-5 paygrade. Average time in the career field is 6 ½ years and all are located within the CONUS.

B. The second, and largest, job identified within this cluster was the **Flotation Equipment Maintenance Job**. As its name suggests, the 61 members that make up this job mainly perform tasks related to the servicing of flotation and associated equipment. An average of about 43 percent of their time is split between life preserver and life raft related duties. Respondents perform an average of 98 tasks that typically include:

- Pack life preservers
- Inflate life preservers to perform leakage inspections
- Inflate life rafts to perform leakage inspections

- Deflate life preservers
- Deflate life rafts
- Remove or replace life preserver CO₂ cartridges
- Pack life rafts
- Apply talcum powder to life rafts

Representative TM's for this job include:

TM	MODULE TITLE	Number of Tasks in Module	Percent Time Spent	Cumulative Time Spent
6	Flotation Equipment Mx (5-skill level)	26	27	27
9	Flotation Equipment Mx (7-skill level)	29	12	39
11	Personnel Parachute System Mx (5-skill level)	51	12	51
5	Sewing Machine Mx (5-skill level)	11	8	59
8	Fabrication (protective covers)	25	8	67
12	Refurbishment	33	7	74
13	Life raft Mx	12	3	77

Once again, as in the Life Preserver Maintenance Job, the Flotation Equipment task modules constitute the bulk of the respondents' time with personnel parachute systems and sewing machine maintenance a close second. With this job, however, fabrication and refurbishment modules are also included, indicating a higher degree of diversity than in the Life Preserver Maintenance Job.

Among this group, Table 4 shows 52 percent performing at the 5-skill level, 39 percent at the 3-skill level, and the remainder at the 7-skill level. The predominant paygrade is E-4 and average time in career field is slightly over 3 years for the AD members.

III. SUPERVISORY/MANAGEMENT CLUSTER (ST032). The 64 airmen forming this cluster (8 percent of the survey sample) perform an average of 154 tasks and are distinguished by the large amount of time spent performing the Management and Supervisory tasks of Duty V (Table 3). Unlike the other clusters, all members within this cluster are active duty.

A. The first job identified within this cluster was the **Supervisory/Management Job**. This job is made up of 42 high-level supervisors, management, and administrative personnel. Members perform an average of 200 tasks, more tasks than members of any other job. They also spend more of their time in Duty V, *Performing Management and Supervisory Activities*, than the members of any other jobs. Tasks unique to this job include:

- Assign sponsors for newly assigned personnel
- Evaluate inspection report findings or inspection procedures
- Coordinate technical problems with project managers or other agencies
- Evaluate maintenance or utilization of equipment, tools, parts, supplies, or workspace
- Review drafts of supplements or changes to directives, policy directives, instructions, or manuals
- Conduct general meetings, such as staff meetings, briefings, conferences, or workshops
- Implement resource conservation (RECON) programs, such as recycling
- Maintain administrative files or records
- Plan record-keeping procedures

Representative TM's for this job include:

TM	MODULE TITLE	Number of Tasks in Module	Percent Time Spent	Cumulative Time Spent
20	OJT Training Supervisor	35	43	43
3	File Management	13	7	50
21	Training Manager	9	5	55
18	Supply Monitor	11	5	60
5	Sewing Machine Mx (5-skill level)	11	3	63
19	Pubs Management	4	2	65

The TMs in which the members of this job spend most of their time indicate almost solely training, management, and supervisory activities. Tasks within these modules can be found in Appendix B in the back of this OSR.

Average time in the career ladder is 16 years and average time in service is about 17 years. Most respondents performing within this job are at the E-6 and E-7 paygrade. Seventy-nine percent are performing at the 7-skill level with the remainder at the 5-skill level. All members are AD.

B. The next job identified within this cluster is the **Section Supervisor Job**. The 7 members performing this job are more technically oriented than in the Supervisory/Management Job. As seen in Table 3, a large portion of their time (28 percent) is spent in the servicing of personnel parachute systems. However, all report supervising at least one person and spend the next largest amount of their time performing management and supervisory activities. This seems to indicate that these members are most likely parachute shop supervisors or assistant supervisors. These members perform an average of 117 tasks. Distinctive tasks performed include:

- Inspect personnel parachutes, other than acceptance inspections
- Pack personnel parachutes
- Perform quality assurance evaluations (QAE) or quality control (QC) inspections
- Counsel subordinates concerning personal matters
- Remove or replace personnel parachute system canopies
- Determine or establish work assignments or priorities
- Remove or replace personnel parachute system risers
- Remove or replace personnel parachute system pack locking loops
- Conduct OJT

Representative TM's for this job include:

TM	MODULE TITLE	Number of Tasks in Module	Percent Time Spent	Cumulative Time Spent
11	Personnel Parachute System Mx (5-skill level)	51	30	30
20	OJT Training Supervisor	35	21	51
1	Fighter/Bomber Related Systems Mx	45	8	59
5	Sewing Machine Mx (5-skill level)	11	5	64
30	Formal Training	20	4	68
21	Training Manager	9	3	71

As can be seen by the TMs, a large amount of these members time is spent performing tasks related to personnel parachute systems, as well as training/supervisory activities.

Average time in career field is 10 years and predominant paygrade is E-5 for this job. Skill level distribution is 57 percent 5-skill level and 43 percent 7-skill level. All members within this job are Active Duty and most are within Air Combat Command (ACC).

C. The final job identified within this cluster is the **Special Operations Section Supervisor Job**. The 10 members performing this job also perform more technically-oriented tasks than the Supervisory/Management Job members. In addition, they perform some specialized tasks that indicate a supervisory position in a parachute shop that is most likely attached to a special operations section. Like the Section Supervisor Job, these members spend about 20 percent of their time in Duty V (Table 3), however, the remainder is distributed more equally throughout

duties X, Y, L, I, and C. These members perform an average of 144 tasks. Representative tasks include:

- Update parachute records
- Determine or establish logistics requirements, such as personnel, equipment, tools, parts, supplies, or workspace
- Clean facilities
- Evaluate serviceability of equipment, tools, parts, or supplies
- Inspect sewing machines
- Change needles on sewing machines
- Research computer systems or catalogues for supplies or equipment
- Issue or log turn-ins of equipment, tools, parts, or supplies
- Conduct self-inspections or self-assessments

Representative TM's for this job include:

TM	MODULE TITLE	Number of Tasks in Module	Percent Time Spent	Cumulative Time Spent
20	OJT Training Supervisor	35	13	13
6	Flotation Equipment Mx (5-skill level)	26	9	22
5	Sewing Machine Mx (5-skill level)	11	8	30
18	Supply Monitor	11	8	38
11	Personnel Parachute System Mx (5-skill level)	51	8	46
30	Formal Training	20	5	51
3	File Management	13	5	56
32	ADS/MAPS Equipment Mx	36	4	60
16	Special Ops Related Equipment Mx	10	4	64

Although a relatively small amount of time is spent by these members in TM 16, Special Ops Related Equipment Maintenance, they are the only ones who report performing these tasks to any noticeable degree. Tasks within these modules can be found in Appendix B in the back of this OSR.

Other distinguishing characteristics of this job include the high percentage in AFSOC (60 percent) as well as a large percentage of members who report servicing specialized parachutes such as the 24-Foot Chest Reserve (80 percent), the MC-1C (70 percent), and the MC-5 (80 percent). Table 4 shows the predominant paygrade of this job to be E-5. Average time in career field is 9 years and all are DAFSC 2A754.

IV. PROTECTIVE CLOTHING MAINTENANCE JOB (ST071). The nine members of this job spend the majority of their time servicing protective or organizational clothing as can be seen in Table 3. They also perform an average of only 68 tasks, which indicates their very limited scope. Tasks accomplished typically include:

- Sew velcro tape onto protective/organizational clothing
- Inspect anti-exposure suits
- Clean sewing machines
- Lubricate sewing machines
- Change needles on sewing machines
- Cut stencils
- Change thread on sewing machines
- Inspect organizational clothing, such as flightsuits or vests

Representative TM's for this job include:

TM	MODULE TITLE	Number of Tasks in Module	Percent Time Spent	Cumulative Time Spent
5	Sewing Machine Mx (5-skill level)	11	17	17
1	Fighter/Bomber Related Systems Mx	45	13	30
6	Flotation Equipment Mx (5-skill level)	26	13	43
7	Organizational Clothing Mx	5	8	51
8	Fabrication (protective covers)	25	7	58
14	Protective Clothing Mx (general)	10	7	65

Upon examining the task modules, it may seem that these members have much more to do with personnel recovery systems and flotation equipment than clothing. However, it must be noted that within TM 1, Fighter/Bomber Related Systems Maintenance, there are several tasks related to the servicing of anti-G suits. It is for this reason that these members appear to be spending such high amounts of time in this TM.

Table 4 shows their predominant paygrade as E-3. With an average time in career field of less than 2 years, they are by far the most junior of all the identified jobs.

V. PERSONNEL PARACHUTE SYSTEM MAINTENANCE JOB (ST042). The 15 members making up this job distinguish themselves by spending more of their time servicing personnel parachute systems (Table 3) than any other group identified. Another characteristic is a lack of diversity in the number and types of tasks performed by these members when compared to the Survival Equipment Maintenance Cluster members who spend much of their time in personnel parachute systems related tasks. Average number of tasks for this job is only 102. Some tasks typically performed include:

- Pack personnel parachutes
- Inspect sewing machines
- Clean sewing machines
- Lubricate sewing machines
- Cut stencils
- Assemble or disassemble personnel parachute systems
- Remove or replace personnel parachute system risers

Representative TM's for this job include:

TM	MODULE TITLE	Number of Tasks in Module	Percent Time Spent	Cumulative Time Spent
11	Personnel Parachute System Mx (5-skill level)	51	31	31
5	Sewing Machine Mx (5-skill level)	11	13	44
6	Flotation Equipment Mx (5-skill level)	26	8	52
8	Fabrication (protective covers)	25	5	57

Task modules show clearly the emphasis on personnel parachute systems for the members of this job. Unaccounted for time spent by these members is mostly in general maintenance and shop maintenance related tasks.

Most job members within this group perform at the 3- and 5-skill levels (Table 4) and the predominant paygrade is E-4. Eighty-seven percent are active duty and the same amount are stationed within the CONUS. Average time in the career field for the AD members is slightly over 4 years.

VI. FABRICATION JOB (ST061). As the name suggests, the members within this job perform activities related to inspecting, manufacturing, and repairing aircraft fabric items, protective covers, soundproofing, or upholstery. Although many in the career ladder perform these type duties to some degree, these 17 members reported spending a high 37 percent of their time in them as indicated in Table 3. The 144 tasks performed by these fabric workers typically include:

- Design patterns for protective covers
- Change thread on sewing machines
- Design patterns for aircraft fabric items, such as avionics nets, bunk covers, or dust covers
- Fabricate aircraft covers, such as seat, headrest, or armrest cover
- Inspect sewing machines
- Sew loose seams of protective covers

Representative TM's for this job include:

TM	MODULE TITLE	Number of Tasks in Module	Percent Time Spent	Cumulative Time Spent
8	Fabrication (protective covers)	25	20	20
12	Refurbishment	33	19	39
5	Sewing Machine Mx (5-skill level)	11	10	49
6	Flotation Equipment Mx (5-skill level)	26	6	55
4	Thermal Curtains & Assct'd Equipment Mx	33	4	59
20	OJT Training Supervisor	35	4	63

The associated TMs with this job show the high amount of time that these members spend in fabrication related activities. Another large percentage of their time is spent in sewing machine maintenance.

Table 4 shows nearly all (94 percent) are performing at the 5-skill level. All are either paygrade E-4 or E-5. They have an average time in career field about of 6 years. Most (58 percent) are AD, 30 percent are ANG, and only 12 percent AFRC.

VII. MOBILE EQUIPMENT MAINTENANCE JOB (ST066). The five mobile equipment maintainers are only a small portion of the career field, but perform some tasks that few others in the career ladder do. The bulk of their time is spent in maintaining mobile equipment and facilities, as can be seen in Table 3. The members performing this job are nearly all stationed at Holloman AFB, NM. They perform an average of 77 tasks. Some that distinguish this job include:

- Patch tents
- Repair tent flies
- Repair or replace tent zippers
- Repair or replace tent screens
- Patch portable buildings
- Set up or tear down shelters
- Remove or replace tent hardware, other than zippers

Representative TM's for this job include:

TM	MODULE TITLE	Number of Tasks in Module	Percent Time Spent	Cumulative Time Spent
31	Mobility Equipment Mx	44	23	23
8	Fabrication (protective covers)	25	22	45
5	Sewing Machine Mx (5-skill level)	11	16	61
20	OJT Training Supervisor	35	15	76

Obviously the TM that this group spends the most time in is the Mobility Equipment Maintenance module, however, fabrication of protective covers comes in a close second. This is due to many related tasks within this module. Appendix B gives a detailed listing of the tasks within each.

All of the mobile equipment maintainers identified are AD (Table 4). Eighty percent are at the 5-skill level, and the predominant paygrade is E-5. Most have an average of about 10 years in service and in the career field.

VIII. AERIAL DELIVERY SQUADRON JOB (ST050). The 13 members of the Aerial Delivery Squadron (ADS) Job spend 35 percent of their duty time servicing cargo parachute systems (see Table 3). Many of these members work in an ADS squadron around cargo aircraft such as the C-130 and its variations as well as the C-141. Typically this group performs an average of 62 tasks. Some tasks that are indicative of this job include:

- Assess damage to determine repairability of cargo parachutes
- Inspect cargo parachutes
- Patch cargo parachute system canopies
- Darn cargo parachute system canopies
- Fabricate standard air drop training bundles (SATBs)
- Assemble or disassemble cargo parachute systems
- Pack cargo parachutes

Representative TM's for this job include:

TM	MODULE TITLE	Number of Tasks in Module	Percent Time Spent	Cumulative Time Spent
32	ADS/MAPS Equipment Mx	36	41	41
5	Sewing Machine Mx (5-skill level)	11	17	58
20	OJT Training Supervisor	35	15	73

As the TMs show, most of these members time is spent in Aerial Delivery Squadron and Mobile Aerial Port Squadron equipment maintenance. Obviously sewing machines are a big part of their job and this indicated as well.

Table 4 shows average time in career field for these members is about 10 years. All members identified are AD. The predominant paygrade is E-5 and 92 percent are at the 5-skill level. Most identified job members are stationed outside the CONUS.

TABLE 3

RELATIVE PERCENT TIME SPENT ON DUTIES BY SPECIALTY JOBS

<u>DUTIES</u>	I. Survival Equipment Mx Cluster		
	Surv'l Equ't Mx Job (ST89) (N=435)	Drag- Chute Mx Job (ST88) (N=19)	Pers Rec'y Sys Mx Job (ST55) (N=60)
A PERFORMING GENERAL MAINTENANCE ACTIVITIES	5	3	5
B MAINTAINING SHOP EQUIPMENT AND FACILITIES	7	7	7
C MAINTAINING SEWING MACHINES	6	6	8
D PERFORMING GENERAL SERVICING OF PARACHUTE SYSTEMS	2	2	3
E SERVICING CARGO PARACHUTE SYSTEMS	-	-	-
F SERVICING DECELERATION PARACHUTE SYSTEMS	-	10	-
G SERVICING DROGUE PARACHUTE SYSTEMS	2	4	5
H SERVICING MISSILE OR DRONE RECOVERY PARACHUTE SYSTEMS	-	-	-
I SERVICING PERSONNEL PARACHUTE SYSTEMS	11	23	2
J SERVICING PERSONNEL RECOVERY SYSTEMS PARACHUTES	4	7	13
K SERVICING LIFE RAFTS	11	10	13
L SERVICING LIFE PRESERVERS	11	9	15
M SERVICING ESCAPE SLIDES	2	-	-
N MAINTAINING EXPLOSIVE AND HAZARDOUS DEVICES	3	5	5
O SERVICING PROTECTIVE OR ORGANIZATIONAL CLOTHING	5	3	11
P INSPECTING, MANUFACTURING, AND REPAIRING AIRCRAFT FABRIC ITEMS OR PROTECTIVE COVERS	7	2	5
Q INSPECTING, MANUFACTURING, AND REPAIRING AIRCRAFT SOUNDPROOFING OR UPHOLSTERY	5	1	-
R INSPECTING, MANUFACTURING, AND REPAIRING RESTRAINING EQUIPMENT	2	-	-
S INSPECTING, MANUFACTURING, AND REPAIRING THERMAL CURTAINS	1	2	-
T MAINTAINING MOBILE EQUIPMENT AND FACILITIES	-	-	-
U PERFORMING MOBILITY AND CONTINGENCY ACTIVITIES	1	1	-
V PERFORMING MANAGEMENT AND SUPERVISORY ACTIVITIES	6	2	2
W PERFORMING TRAINING ACTIVITIES	2	-	-
X PERFORMING GENERAL ADMINISTRATIVE AND TECHNICAL ORDER SYSTEM ACTIVITIES	3	1	1
Y PERFORMING GENERAL SUPPLY AND EQUIPMENT ACTIVITIES	3	1	1

" - " indicates less than 1 percent

TABLE 3 (continued)

RELATIVE PERCENT TIME SPENT ON DUTIES BY SPECIALTY JOBS

DUTIES	II. Flotation Equipment Mx Cluster	
	Life Pres'r Mx Job (ST51) (N=11)	Fltn Equ't Mx Job (ST69) (N=61)
A PERFORMING GENERAL MAINTENANCE ACTIVITIES	4	5
B MAINTAINING SHOP EQUIPMENT AND FACILITIES	7	6
C MAINTAINING SEWING MACHINES	4	7
D PERFORMING GENERAL SERVICING OF PARACHUTE SYSTEMS	-	-
E SERVICING CARGO PARACHUTE SYSTEMS	-	-
F SERVICING DECELERATION PARACHUTE SYSTEMS	-	-
G SERVICING DROGUE PARACHUTE SYSTEMS	-	-
H SERVICING MISSILE OR DRONE RECOVERY PARACHUTE SYSTEMS	-	-
I SERVICING PERSONNEL PARACHUTE SYSTEMS	8	11
J SERVICING PERSONNEL RECOVERY SYSTEMS PARACHUTES	-	-
K SERVICING LIFE RAFTS	20	21
L SERVICING LIFE PRESERVERS	42	22
M SERVICING ESCAPE SLIDES	-	2
N MAINTAINING EXPLOSIVE AND HAZARDOUS DEVICES	-	-
O SERVICING PROTECTIVE OR ORGANIZATIONAL CLOTHING	3	4
P INSPECTING, MANUFACTURING, AND REPAIRING AIRCRAFT FABRIC ITEMS OR PROTECTIVE COVERS	2	7
Q INSPECTING, MANUFACTURING, AND REPAIRING AIRCRAFT SOUNDPROOFING OR UPHOLSTERY	1	7
R INSPECTING, MANUFACTURING, AND REPAIRING RESTRAINING EQUIPMENT	-	1
S INSPECTING, MANUFACTURING, AND REPAIRING THERMAL CURTAINS	1	-
T MAINTAINING MOBILE EQUIPMENT AND FACILITIES	-	-
U PERFORMING MOBILITY AND CONTINGENCY ACTIVITIES	2	-
V PERFORMING MANAGEMENT AND SUPERVISORY ACTIVITIES	-	-
W PERFORMING TRAINING ACTIVITIES	2	-
X PERFORMING GENERAL ADMINISTRATIVE AND TECHNICAL ORDER SYSTEM ACTIVITIES	2	-
Y PERFORMING GENERAL SUPPLY AND EQUIPMENT ACTIVITIES	-	-

" - " indicates less than 1 percent

TABLE 3 (continued)

RELATIVE PERCENT TIME SPENT ON DUTIES BY SPECIALTY JOBS

DUTIES	III. Supervisory/Management Cluster		
	Sup/Mngt Job (ST80) (N=42)	Section Sup. Job (ST82) (N=7)	Spec-Ops Sctn Sup. Job (ST78) (N=10)
A PERFORMING GENERAL MAINTENANCE ACTIVITIES	1	2	5
B MAINTAINING SHOP EQUIPMENT AND FACILITIES	1	6	6
C MAINTAINING SEWING MACHINES	3	6	10
D PERFORMING GENERAL SERVICING OF PARACHUTE SYSTEMS	-	4	5
E SERVICING CARGO PARACHUTE SYSTEMS	1	-	3
F SERVICING DECELERATION PARACHUTE SYSTEMS	-	2	-
G SERVICING DROGUE PARACHUTE SYSTEMS	-	2	-
H SERVICING MISSILE OR DRONE RECOVERY PARACHUTE SYSTEMS	-	-	-
I SERVICING PERSONNEL PARACHUTE SYSTEMS	1	28	8
J SERVICING PERSONNEL RECOVERY SYSTEMS PARACHUTES	-	5	-
K SERVICING LIFE RAFTS	-	-	3
L SERVICING LIFE PRESERVERS	-	-	9
M SERVICING ESCAPE SLIDES	-	-	-
N MAINTAINING EXPLOSIVE AND HAZARDOUS DEVICES	1	5	-
O SERVICING PROTECTIVE OR ORGANIZATIONAL CLOTHING	-	-	3
P INSPECTING, MANUFACTURING, AND REPAIRING AIRCRAFT FABRIC ITEMS OR PROTECTIVE COVERS	-	-	-
Q INSPECTING, MANUFACTURING, AND REPAIRING AIRCRAFT SOUNDPROOFING OR UPHOLSTERY	-	-	-
R INSPECTING, MANUFACTURING, AND REPAIRING RESTRAINING EQUIPMENT	-	-	-
S INSPECTING, MANUFACTURING, AND REPAIRING THERMAL CURTAINS	-	-	-
T MAINTAINING MOBILE EQUIPMENT AND FACILITIES	-	-	-
U PERFORMING MOBILITY AND CONTINGENCY ACTIVITIES	4	2	3
V PERFORMING MANAGEMENT AND SUPERVISORY ACTIVITIES	51	21	20
W PERFORMING TRAINING ACTIVITIES	13	8	3
X PERFORMING GENERAL ADMINISTRATIVE AND TECHNICAL ORDER SYSTEM ACTIVITIES	12	4	9
Y PERFORMING GENERAL SUPPLY AND EQUIPMENT ACTIVITIES	6	3	11

" - " indicates less than 1 percent

TABLE 3 (continued)

RELATIVE PERCENT TIME SPENT ON DUTIES BY SPECIALTY JOBS

DUTIES	IV. Prot.	V. Pers'l P-	VI. Fabri-
	Clothing Mx Job (ST71) (N=9)	chute Sys Mx Job (ST42) (N=15)	cation Job (ST61) (N=17)
A PERFORMING GENERAL MAINTENANCE ACTIVITIES	7	8	10
B MAINTAINING SHOP EQUIPMENT AND FACILITIES	8	11	7
C MAINTAINING SEWING MACHINES	17	13	12
D PERFORMING GENERAL SERVICING OF PARACHUTE SYSTEMS	1	3	-
E SERVICING CARGO PARACHUTE SYSTEMS	-	-	-
F SERVICING DECELERATION PARACHUTE SYSTEMS	-	-	-
G SERVICING DROGUE PARACHUTE SYSTEMS	2	2	-
H SERVICING MISSILE OR DRONE RECOVERY PARACHUTE SYSTEMS	-	-	-
I SERVICING PERSONNEL PARACHUTE SYSTEMS	1	28	2
J SERVICING PERSONNEL RECOVERY SYSTEMS PARACHUTES	5	-	-
K SERVICING LIFE RAFTS	2	6	4
L SERVICING LIFE PRESERVERS	18	4	6
M SERVICING ESCAPE SLIDES	-	-	-
N MAINTAINING EXPLOSIVE AND HAZARDOUS DEVICES	2	4	-
O SERVICING PROTECTIVE OR ORGANIZATIONAL CLOTHING	24	4	5
P INSPECTING, MANUFACTURING, AND REPAIRING AIRCRAFT FABRIC ITEMS OR PROTECTIVE COVERS	6	4	20
Q INSPECTING, MANUFACTURING, AND REPAIRING AIRCRAFT SOUNDPROOFING OR UPHOLSTERY	-	2	17
R INSPECTING, MANUFACTURING, AND REPAIRING RESTRAINING EQUIPMENT	1	1	2
S INSPECTING, MANUFACTURING, AND REPAIRING THERMAL CURTAINS	2	-	4
T MAINTAINING MOBILE EQUIPMENT AND FACILITIES	-	-	-
U PERFORMING MOBILITY AND CONTINGENCY ACTIVITIES	-	-	-
V PERFORMING MANAGEMENT AND SUPERVISORY ACTIVITIES	-	2	4
W PERFORMING TRAINING ACTIVITIES	-	1	-
X PERFORMING GENERAL ADMINISTRATIVE AND TECHNICAL ORDER SYSTEM ACTIVITIES	2	1	1
Y PERFORMING GENERAL SUPPLY AND EQUIPMENT ACTIVITIES	-	2	1

" - " indicates less than 1 percent

TABLE 3 (continued)

RELATIVE PERCENT TIME SPENT ON DUTIES BY SPECIALTY JOBS

<u>DUTIES</u>	VII. Mobile Equ't Mx Job (ST66) (N=5)	VIII. Aerial Delivery Sq Job (ST50) (N=13)
A PERFORMING GENERAL MAINTENANCE ACTIVITIES	9	2
B MAINTAINING SHOP EQUIPMENT AND FACILITIES	4	5
C MAINTAINING SEWING MACHINES	18	17
D PERFORMING GENERAL SERVICING OF PARACHUTE SYSTEMS	-	4
E SERVICING CARGO PARACHUTE SYSTEMS	-	35
F SERVICING DECELERATION PARACHUTE SYSTEMS	-	-
G SERVICING DROGUE PARACHUTE SYSTEMS	-	-
H SERVICING MISSILE OR DRONE RECOVERY PARACHUTE SYSTEMS	-	-
I SERVICING PERSONNEL PARACHUTE SYSTEMS	-	-
J SERVICING PERSONNEL RECOVERY SYSTEMS PARACHUTES	-	-
K SERVICING LIFE RAFTS	-	-
L SERVICING LIFE PRESERVERS	-	-
M SERVICING ESCAPE SLIDES	-	-
N MAINTAINING EXPLOSIVE AND HAZARDOUS DEVICES	-	1
O SERVICING PROTECTIVE OR ORGANIZATIONAL CLOTHING	-	-
P INSPECTING, MANUFACTURING, AND REPAIRING AIRCRAFT FABRIC ITEMS OR PROTECTIVE COVERS	17	-
Q INSPECTING, MANUFACTURING, AND REPAIRING AIRCRAFT SOUNDPROOFING OR UPHOLSTERY	-	-
R INSPECTING, MANUFACTURING, AND REPAIRING RESTRAINING EQUIPMENT	-	6
S INSPECTING, MANUFACTURING, AND REPAIRING THERMAL CURTAINS	-	-
T MAINTAINING MOBILE EQUIPMENT AND FACILITIES	19	-
U PERFORMING MOBILITY AND CONTINGENCY ACTIVITIES	6	4
V PERFORMING MANAGEMENT AND SUPERVISORY ACTIVITIES	17	12
W PERFORMING TRAINING ACTIVITIES	5	4
X PERFORMING GENERAL ADMINISTRATIVE AND TECHNICAL ORDER SYSTEM ACTIVITIES	2	5
Y PERFORMING GENERAL SUPPLY AND EQUIPMENT ACTIVITIES	4	4

" - " indicates less than 1 percent

TABLE 4

SELECTED BACKGROUND DATA FOR SPECIALTY JOBS

	I. Survival Equipment Mx Cluster		II. Flotation Equipment Mx Cluster	
	SE Mx Job (ST89)	Drag-Chute Mx Job (ST88)	PRS Mx Job (ST55)	LP Mx Job (ST51) Fl'tn Equ't Mx Job (ST69)
NUMBER IN GROUP	435	19	60	11
PERCENT OF SAMPLE	56%	3%	8%	1%
PERCENT IN CONUS	89%	100%	80%	100%
SKILL-LEVEL DISTRIBUTION:				
2A734	13%	58%	50%	0%
2A754	58%	42%	50%	100%
2A774	29%	0%	0%	0%
COMPONENT STATUS:				
ACTIVE DUTY	52%	95%	87%	18%
AIR NATIONAL GUARD	33%	5%	13%	82%
AIR FORCE RESERVE	14%	0%	0%	0%
ADDITIONAL INFORMATION				
PREDOMINANT GRADE(S)	E-5	E-3/4	E-4	E-4
AVERAGE MONTHS IN CAREER FIELD*	99	47	52	88
AVERAGE TAFMS*	103	52	54	88
PERCENT WITH 1-48 MOS IN CAREER FIELD*	31%	67%	68%	0
PERCENT SUPERVISING	52%	21%	17%	9%
AVERAGE NUMBER OF TASKS PERFORMED	258	170	136	57

* Active Duty Members Only

TABLE 4 (continued)

SELECTED BACKGROUND DATA FOR SPECIALTY JOBS

	III. Supervisory/Mngt Cluster			IV. Protective Clothing Mx Job (SI71)
	Sup'r/ Mngt Job (SI80)	Sctn Sup'r Job (SI82)	Spec-Ops Sctn Sup'r Job (SI78)	
NUMBER IN GROUP	42	7	10	9
PERCENT OF SAMPLE	5%	1%	1%	1%
PERCENT IN CONUS	83%	100%	50%	33%
SKILL-LEVEL DISTRIBUTION:				
2A734	0%	0%	0%	89%
2A754	21%	57%	100%	11%
2A774	79%	43%	0%	0%
COMPONENT STATUS:				
ACTIVE DUTY	100%	100%	100%	100%
AIR NATIONAL GUARD	0%	0%	0%	0%
AIR FORCE RESERVE	0%	0%	0%	0%
ADDITIONAL INFORMATION				
PREDOMINANT GRADE(S)	E-6/7	E-5	E-5	E-3
AVERAGE MONTHS IN CAREER FIELD*	193	120	109	21
AVERAGE TAFMS*	199	145	118	22
PERCENT WITH 1-48 MOS IN CAREER FIELD*	0%	0%	20%	100%
PERCENT SUPERVISING	93%	100%	30%	11%
AVERAGE NUMBER OF TASKS PERFORMED	200	117	144	68

* Active Duty Members Only

TABLE 4 (continued)

SELECTED BACKGROUND DATA FOR SPECIALTY JOBS

	V. Pers'l P-Chute Sys Mx Job (ST42)	VI. Fabrication Job (ST61)	VII. Mobile Equ't Mx Job (ST66)	VIII. ADS Job (ST50)
NUMBER IN GROUP	15	17	5	13
PERCENT OF SAMPLE	2%	2%	1%	2%
PERCENT IN CONUS	87%	94%	100%	46%
SKILL-LEVEL DISTRIBUTION:				
2A734	40%	6%	20%	8%
2A754	53%	94%	80%	92%
2A774	7%	0%	0%	0%
COMPONENT STATUS:				
ACTIVE DUTY	87%	58%	100%	100%
AIR NATIONAL GUARD	13%	30%	0%	0%
AIR FORCE RESERVE	0%	12%	0%	0%
ADDITIONAL INFORMATION				
PREDOMINANT GRADE(S)	E-4	E-4/5	E-5	E-5
AVERAGE MONTHS IN CAREER FIELD*	50	71	120	120
AVERAGE TAFMS*	53	75	121	123
PERCENT WITH 1-48 MOS IN CAREER FIELD*	69%	47%	20%	23%
PERCENT SUPERVISING	20%	35%	80%	62%
AVERAGE NUMBER OF TASKS PERFORMED	102	144	77	62

* Active Duty Members Only

TABLE 5
SPECIALTY JOB COMPARISON BETWEEN CURRENT AND 1994 SURVEYS

CURRENT SURVEY (N=775)		1994 SURVEY (N=634)
SURVIVAL EQUIPMENT MAINTENANCE CLUSTER		GENERAL EQUIPMENT MAINTENANCE CLUSTER
Survival Equipment Maintenance Job		Survival Equipment Maintenance Job
Deceleration/Drag Chute Maintenance Job		Deceleration parachute Maintenance Job
PRS Maintenance Job		<i>No similar job identified</i>
<i>No similar job identified</i>		Aircraft Interior Design Job
<i>No similar job identified</i>		Float Section NCOIC Job
FLOTATION EQUIPMENT MAINTENANCE CLUSTER		FLOTATION EQUIPMENT MAINTENANCE CLUSTER
Life Preserver Maintenance Job		<i>No similar job identified</i>
Flotation Equipment Maintenance Job		Flotation Equipment Maintenance Job
<i>No similar job identified</i>		Flotation and Deceleration Parachute Maintenance Job
<i>No similar job identified</i>		Flotation and Personnel Parachute Maintenance Job
<i>No similar job identified</i>		Flotation Equipment Trainee Job
SUPERVISORY/ MNGT CLUSTER		<i>Not identified as a separate cluster</i>
Supervisory/Mngt Job		MANAGEMENT JOB
Section Supervisor Job		SURVIVAL EQUIPMENT SUPERVISORS JOB
Spec-Ops Section Supervisor Job		<i>No similar job identified</i>
PROTECTIVE CLOTHING MAINTENANCE JOB		Protective and Organizational Clothing Maintenance Job
PERSONNEL PARACHUTE SYSTEM MAINTENANCE JOB		PERSONNEL PARACHUTE MAINTENANCE CLUSTER
FABRICATION JOB		AIRCRAFT SOUNDPROOFING AND FABRIC MAINTENANCE JOB
MOBILE EQUIPMENT MAINTENANCE JOB		<i>No similar job identified</i>
ADS JOB		CARGO PARACHUTE MAINTENANCE CLUSTER
<i>No similar job identified</i>		FIGHTER RELEASE SYSTEM MAINTENANCE JOB

Table 5 above shows a comparison between the current and past surveys. As can be seen, the two major clusters identified within the career field have equivalent clusters in the past survey, however, much has changed. No longer is there an Aircraft Interior Design Job or a Fighter Release System Maintenance Job. Also, in the new survey, the old Survival Equipment Supervisor job and Management Job have formed a cluster comprised of supervisors and managers from many sections. Probably the biggest reason for these changes is the inclusion of the ANG and AFRC into the current survey.

ANALYSIS OF DAFSC GROUPS

An analysis of DAFSC groups, in conjunction with the analysis of the career ladder structure, is an important part of each occupational survey. The DAFSC analysis identifies differences in tasks performed at the various skill levels. This information may then be used to evaluate how well career ladder documents, such as the AFMAN 36-2108 *Airman Classification*, Specialty Description and the Career Field Education and Training Plan (CFETP), reflect what career ladder personnel are actually doing in the field.

The distribution of skill-level groups across the career ladder jobs and clusters is displayed in Tables 6-8, while Tables 9-11 offer another perspective by displaying the relative percent time spent on each duty across skill-level groups. These tables reflect the distribution of AD and ANG personnel. A typical pattern of progression is noted within the AFSC 2A7X4 career ladder. Personnel at the 3- and 5-skill levels work in the technical jobs of the career ladder and spend most of their time on technical tasks. As incumbents move up to the 7-skill level they perform much more supervisory and management tasks. However, this holds true mainly for the AD members; the ANG and AFRC members tend to stay more technically oriented at any level.

Skill-Level Descriptions

DAFSC 2A734. Representing 21 percent of the survey sample, these 166 active duty airmen perform an average of 186 tasks. The majority of this group (60 percent) work in the Survival Equipment Maintenance Cluster (Table 6), with 18 percent performing in the Flotation Equipment Maintenance Cluster and about 5 percent in the entry-level Protective Clothing Maintenance Job.

Table 9 reflects the percent time spent on duties by DAFSC 2A734 personnel. At the 3-skill level, the largest part of their time is distributed nearly equally among the technical tasks of Duties I, K, and L. Representative tasks performed by these members are listed in Table 12.

DAFSC 2A754. The 431 members of this group account for 56 percent of the survey sample and represent the core of the career ladder. Nearly 70 percent work in the Survival Equipment Maintenance Cluster (Table 7). This table also reflects the lack of diversity in the job distribution of the ANG and AFRC forces as opposed to the AD members. Almost 10 percent of the AD 5-levels are working in the Supervisory/Management cluster, while the ANG and AFRC are not. Also of note is a fair percentage of AD and ANG working in the Personnel Recovery System Maintenance Job of the Survival Equipment Cluster, but no AFRC members.

Table 10 provides a comparison of the relative time spent on duties for the all the career groups at the 5-skill level. This table shows that the ANG and AFRC devote more time to fabrication and survival equipment maintenance activities than do their AD counterparts who spend more time performing management, supervisory, and training activities.

Tables 13-16 list representative tasks performed by these DAFSC 2A754 personnel. Table 17 reflects those tasks which best differentiate the AD 3-skill levels from the 5-skill levels.

This table shows no 3-skill level differentiating tasks because there are none. The 5-skill levels perform all tasks that the 3-skill levels do, plus some additional supervisory tasks.

Table 18 shows the tasks that best distinguish between AD 5-skill levels and their ANG 5-skill level counterparts. Table 19 indicates the difference between the 5-skill level AD and AFRC members. These tables clearly show AD members performing more management and supervisory tasks than the ANG and AFRC members, who perform more fabrication tasks than do the AD. Also of note in Table 19 is that AD members are doing more tasks related to drogue chutes than the AFRC members. Since these are associated with Personnel Recovery Systems (PRS), this supports the findings mentioned above that very few reservists are in the PRS Job.

DAFSC 2A774. These 178 members perform an average of 237 tasks and represent 23 percent of the survey sample. Table 8 shows the highest percentage of these members in the Survival Equipment Maintenance Cluster. However, 51 percent of AD 7-skill level members (no ANG or AFRC members) were found in the Supervisory/Management Cluster. This reflects the extent to which ANG and AFRC focus more on technical jobs and less in the supervision and management jobs than their AD counterparts.

Table 11 reflects the percent time spent on duties by DAFSC 2A774 members. This table shows the large amount of time that AD 7-skill levels spend on management, supervisory, training, and administrative duties.

Representative tasks performed by 7-skill level members are reflected in Tables 20-23. Table 24 reflects tasks which best differentiate between AD 5- and 7-skill levels. This table clearly shows the much higher devotion to management and supervisory tasks at the 7-skill level than the 5-skill level.

Tables 25 and 26 compares AD to the ANG and AFRC 7-skill levels and shows the AD members performing management and supervisory tasks at a much higher percentage. Also, it is interesting to note that many of the ANG and AFRC tasks that are not shared by the AD include many from Duties O (*Servicing Protective Or Organizational Clothing*) and P (*Inspecting, Manufacturing, And Repairing Aircraft Fabric Items Or Protective Covers*).

Summary

Progression in the Survival Equipment career ladder follows a regular pattern of highly technical job focus at the 3-skill level, with a broadening into supervision and management at the 5- and 7-skill levels. An emphasis is clearly seen in performing tasks primarily related to the core Survival Equipment Maintenance Cluster at the 3- and 5-skill levels, with some broadening into supervisory functions at the 5-skill level. While AD craftsmen at the 7-skill level begin to shift mainly into supervisory jobs, most ANG and AFRC 7-skill level members' time is still spent performing technical tasks. ANG and AFRC members overall seem to spend more time performing fabrication tasks and protective and organizational clothing servicing than their AD counterparts.

TABLE 6
DISTRIBUTION OF DAFSC 2A734 GROUP MEMBERS
ACROSS SPECIALTY JOBS
(PERCENT RESPONDING)

<u>SPECIALTY JOBS</u>	<u>ACTIVE 2A734 (N=166)</u>
SURVIVAL EQUIPMENT MAINTENANCE CLUSTER	60
Survival Equipment Maintenance Job	
Deceleration Parachute Maintenance Job	
Personnel Recovery System Maintenance Job	
FLOTATION EQUIPMENT MAINTENANCE CLUSTER	15
Life Preserver Maintenance Job	
Flotation Equipment Maintenance Job	
SUPERVISORY/ MANAGEMENT CLUSTER	-
Supervisory/Management Job	
Section Supervisor Job	
Special-Ops Section Supervisor Job	
PROTECTIVE CLOTHING MAINTENANCE JOB	5
PERSONNEL PARACHUTE SYSTEM MAINTENANCE JOB	4
FABRICATION JOB	4
MOBILE EQUIPMENT MAINTENANCE JOB	1
AERIAL DELIVERY SQUADRON JOB	1
Not Grouped	10

TABLE 7
DISTRIBUTION OF DAFSC 2A754 GROUP MEMBERS
ACROSS SPECIALTY JOBS
(PERCENT RESPONDING)

<u>SPECIALTY JOBS</u>	TOTAL 2A754 (N=431)	ACTIVE 2A754 (N=265)	ANG 2A754 (N=118)	AFRC 2A754 (N=48)
SURVIVAL EQUIPMENT MAINTENANCE CLUSTER	68	64	73	75
Survival Equipment Maintenance Job				
Deceleration Parachute Maintenance Job				
Personnel Recovery System Maintenance Job				
FLOTATION EQUIPMENT MAINTENANCE CLUSTER	10	5	20	13
Life Preserver Maintenance Job				
Flotation Equipment Maintenance Job				
SUPERVISORY/ MANAGEMENT CLUSTER	6	10	-	-
Supervisory/Management Job				
Section Supervisor Job				
Special-Ops Section Supervisor Job				
PROTECTIVE CLOTHING MAINTENANCE JOB	<1	<1	-	-
PERSONNEL PARACHUTE SYSTEM MAINTENANCE JOB	2	2	2	-
FABRICATION JOB	2	3	2	-
MOBILE EQUIPMENT MAINTENANCE JOB	1	1	-	-
AERIAL DELIVERY SQUADRON JOB	3	5	-	-
Not Grouped	7	9	3	12

TABLE 8
DISTRIBUTION OF DAFSC 2A774 GROUP MEMBERS
ACROSS SPECIALTY JOBS
(PERCENT RESPONDING)

<u>SPECIALTY JOBS</u>	TOTAL 2A774 (N=178)	ACTIVE 2A774 (N=74)	ANG 2A774 (N=73)	AFRC 2A774 (N=31)
SURVIVAL EQUIPMENT MAINTENANCE CLUSTER	70	38	96	87
Survival Equipment Maintenance Job				
Deceleration Parachute Maintenance Job				
Personnel Recovery System Maintenance Job				
FLOTATION EQUIPMENT MAINTENANCE CLUSTER	3	1	3	10
Life Preserver Maintenance Job				
Flotation Equipment Maintenance Job				
SUPERVISORY/ MANAGEMENT CLUSTER	21	51	-	-
Supervisory/Management Job				
Section Supervisor Job				
Special-Ops Section Supervisor Job				
PROTECTIVE CLOTHING MAINTENANCE JOB	-	-	-	-
PERSONNEL PARACHUTE SYSTEM MAINTENANCE JOB	1	4	-	-
FABRICATION JOB	1	-	1	3
MOBILE EQUIPMENT MAINTENANCE JOB	-	-	-	-
AERIAL DELIVERY SQUADRON JOB	-	-	-	-
Not Grouped	4	6	-	-

TABLE 9
RELATIVE PERCENT TIME SPENT ON DUTIES
BY DAFSC 2A734 MEMBERS

DUTIES	ACTIVE 2A734 (N=166)
A PERFORMING GENERAL MAINTENANCE ACTIVITIES	6
B MAINTAINING SHOP EQUIPMENT AND FACILITIES	8
C MAINTAINING SEWING MACHINES	8
D PERFORMING GENERAL SERVICING OF PARACHUTE SYSTEMS	2
E SERVICING CARGO PARACHUTE SYSTEMS	-
F SERVICING DECELERATION PARACHUTE SYSTEMS	1
G SERVICING DROGUE PARACHUTE SYSTEMS	2
H SERVICING MISSILE OR DRONE RECOVERY PARACHUTE SYSTEMS	-
I SERVICING PERSONNEL PARACHUTE SYSTEMS	13
J SERVICING PERSONNEL RECOVERY SYSTEMS PARACHUTES	5
K SERVICING LIFE RAFTS	14
L SERVICING LIFE PRESERVERS	13
M SERVICING ESCAPE SLIDES	2
N MAINTAINING EXPLOSIVE AND HAZARDOUS DEVICES	3
O SERVICING PROTECTIVE OR ORGANIZATIONAL CLOTHING	7
P INSPECTING, MANUFACTURING, AND REPAIRING AIRCRAFT FABRIC ITEMS OR PROTECTIVE COVERS	6
Q INSPECTING, MANUFACTURING, AND REPAIRING AIRCRAFT SOUNDPROOFING OR UPHOLSTERY	4
R INSPECTING, MANUFACTURING, AND REPAIRING RESTRAINING EQUIPMENT	1
S INSPECTING, MANUFACTURING, AND REPAIRING THERMAL CURTAINS	1
T MAINTAINING MOBILE EQUIPMENT AND FACILITIES	-
U PERFORMING MOBILITY AND CONTINGENCY ACTIVITIES	-
V PERFORMING MANAGEMENT AND SUPERVISORY ACTIVITIES	-
W PERFORMING TRAINING ACTIVITIES	-
X PERFORMING GENERAL ADMINISTRATIVE AND TECHNICAL ORDER SYSTEM ACTIVITIES	1
Y PERFORMING GENERAL SUPPLY AND EQUIPMENT ACTIVITIES	1

" - " indicates less than 1 percent

TABLE 10
RELATIVE PERCENT TIME SPENT ON DUTIES
BY DAFSC 2A754 GROUPS

DUTIES	ALL 2A754 (N=431)	ACTIVE 2A754 (N=265)	ANG 2A754 (N=118)	AFRC 2A754 (N=48)
A PERFORMING GENERAL MAINTENANCE ACTIVITIES	5	5	6	5
B MAINTAINING SHOP EQUIPMENT AND FACILITIES	7	7	7	7
C MAINTAINING SEWING MACHINES	7	8	7	6
D PERFORMING GENERAL SERVICING OF PARACHUTE SYSTEMS	2	2	2	1
E SERVICING CARGO PARACHUTE SYSTEMS	1	2	-	-
F SERVICING DECELERATION PARACHUTE SYSTEMS	-	1	-	-
G SERVICING DROGUE PARACHUTE SYSTEMS	2	2	2	-
H SERVICING MISSILE OR DRONE RECOVERY PARACHUTE SYSTEMS	-	-	-	-
I SERVICING PERSONNEL PARACHUTE SYSTEMS	11	10	11	14
J SERVICING PERSONNEL RECOVERY SYSTEMS PARACHUTES	4	5	4	1
K SERVICING LIFE RAFTS	11	9	13	14
L SERVICING LIFE PRESERVERS	12	10	16	13
M SERVICING ESCAPE SLIDES	1	1	2	2
N MAINTAINING EXPLOSIVE AND HAZARDOUS DEVICES	3	3	3	2
O SERVICING PROTECTIVE OR ORGANIZATIONAL CLOTHING	5	4	5	5
P INSPECTING, MANUFACTURING, AND REPAIRING AIRCRAFT FABRIC ITEMS OR PROTECTIVE COVERS	6	5	8	8
Q INSPECTING, MANUFACTURING, AND REPAIRING AIRCRAFT SOUNDPROOFING OR UPHOLSTERY	4	3	4	8
R INSPECTING, MANUFACTURING, AND REPAIRING RESTRAINING EQUIPMENT	1	1	1	2
S INSPECTING, MANUFACTURING, AND REPAIRING THERMAL CURTAINS	1	-	2	1
T MAINTAINING MOBILE EQUIPMENT AND FACILITIES	-	-	-	-
U PERFORMING MOBILITY AND CONTINGENCY ACTIVITIES	1	1	1	1
V PERFORMING MANAGEMENT AND SUPERVISORY ACTIVITIES	6	9	1	2
W PERFORMING TRAINING ACTIVITIES	2	3	1	2
X PERFORMING GENERAL ADMINISTRATIVE AND TECHNICAL ORDER SYSTEM ACTIVITIES	3	4	2	2
Y PERFORMING GENERAL SUPPLY AND EQUIPMENT ACTIVITIES	3	3	2	2

“ - ” indicates less than 1 percent

TABLE 11
RELATIVE PERCENT TIME SPENT ON DUTIES
BY DAFSC 2A774 GROUPS

DUTIES	ALL 2A774 (N=178)	ACTIVE 2A774 (N=74)	ANG 2A774 (N=73)	AFRC 2A774 (N=31)
A PERFORMING GENERAL MAINTENANCE ACTIVITIES	4	2	5	5
B MAINTAINING SHOP EQUIPMENT AND FACILITIES	5	4	7	7
C MAINTAINING SEWING MACHINES	5	4	5	6
D PERFORMING GENERAL SERVICING OF PARACHUTE SYSTEMS	1	1	1	1
E SERVICING CARGO PARACHUTE SYSTEMS	-	-	-	-
F SERVICING DECELERATION PARACHUTE SYSTEMS	-	-	-	-
G SERVICING DROGUE PARACHUTE SYSTEMS	1	1	2	-
H SERVICING MISSILE OR DRONE RECOVERY PARACHUTE SYSTEMS	-	-	-	-
I SERVICING PERSONNEL PARACHUTE SYSTEMS	8	6	9	10
J SERVICING PERSONNEL RECOVERY SYSTEMS PARACHUTES	3	3	4	2
K SERVICING LIFE RAFTS	7	4	9	10
L SERVICING LIFE PRESERVERS	7	4	10	11
M SERVICING ESCAPE SLIDES	2	1	2	3
N MAINTAINING EXPLOSIVE AND HAZARDOUS DEVICES	3	2	3	2
O SERVICING PROTECTIVE OR ORGANIZATIONAL CLOTHING	4	2	5	5
P INSPECTING, MANUFACTURING, AND REPAIRING AIRCRAFT FABRIC ITEMS OR PROTECTIVE COVERS	6	3	8	8
Q INSPECTING, MANUFACTURING, AND REPAIRING AIRCRAFT SOUNDPROOFING OR UPHOLSTERY	4	1	5	7
R INSPECTING, MANUFACTURING, AND REPAIRING RESTRAINING EQUIPMENT	1	-	2	2
S INSPECTING, MANUFACTURING, AND REPAIRING THERMAL CURTAINS	1	-	2	1
T MAINTAINING MOBILE EQUIPMENT AND FACILITIES	-	-	0	-
U PERFORMING MOBILITY AND CONTINGENCY ACTIVITIES	3	4	2	1
V PERFORMING MANAGEMENT AND SUPERVISORY ACTIVITIES	19	34	8	8
W PERFORMING TRAINING ACTIVITIES	6	10	3	2
X PERFORMING GENERAL ADMINISTRATIVE AND TECHNICAL ORDER SYSTEM ACTIVITIES	6	8	4	3
Y PERFORMING GENERAL SUPPLY AND EQUIPMENT ACTIVITIES	4	5	4	3

" - " indicates less than 1 percent

TABLE 12
 REPRESENTATIVE TASKS PERFORMED
 BY AD DAFSC 2A734 PERSONNEL

TASKS		PERCENT MEMBERS PERFORMING (N=166)
C0094	Lubricate sewing machines	86
C0092	Clean sewing machines	85
C0091	Change thread on sewing machines	84
C0089	Change needles on sewing machines	84
C0082	Adjust thread tensions	84
A0002	Cut stencils	81
L0399	Inflate life preservers to perform leakage inspections	80
L0403	Inspect life preservers	80
L0397	Deflate life preservers	80
L0407	Pack life preservers	79
L0398	Functionally test life preservers	78
K0351	Apply talcum powder to life rafts	78
L0426	Weigh life preserver CO2 cartridges	77
C0093	Inspect sewing machines	75
L0417	Remove or replace life preserver CO2 cartridges	75
L0395	Assess damage to determine repairability of life preservers	75
B0041	Clean facilities	74
K0359	Deflate life rafts	74
K0363	Inflate life rafts to perform leakage inspections	73
A0035	Stencil data onto items, such as equipment, clothing, or parachute components, other than personnel restraint equipment	72
K0392	Visually inspect life rafts	72
A0004	Fabricate foreign object damage (FOD) bags	72
K0350	Adjust pressures for life rafts	72
K0354	Assess damage to determine repairability of life rafts	72
K0362	Functionally test life rafts	70
K0371	Patch life rafts	70
B0043	Clean stencil machines	70
L0418	Remove or replace life preserver CO2 inflators	70
L0425	Visually inspect life preserver CO2 cartridges for serviceability	68
P0510	Fabricate protective covers	67
K0393	Weigh life raft CO2 cylinders	67
B0044	Connect or disconnect shop air supply hoses	66
L0416	Remove or replace life preserver containers	66
K0370	Pack life rafts	65
I0251	Pack personnel parachutes	64
L0414	Remove or replace life preserver batteries	64
L0415	Remove or replace life preserver cells	64
K0381	Remove or replace life raft CO2 cylinders	63

Average Number of Tasks Performed = 144

TABLE 13
 REPRESENTATIVE TASKS PERFORMED
 BY ALL DAFSC 2A754 PERSONNEL

TASKS		PERCENT MEMBERS PERFORMING (N=431)
C0089	Change needles on sewing machines	89
C0091	Change thread on sewing machines	87
C0092	Clean sewing machines	86
C0094	Lubricate sewing machines	86
C0093	Inspect sewing machines	85
C0082	Adjust thread tensions	85
A0002	Cut stencils	85
L0407	Pack life preservers	84
B0041	Clean facilities	83
L0403	Inspect life preservers	83
L0397	Deflate life preservers	83
L0398	Functionally test life preservers	82
L0426	Weigh life preserver CO2 cartridges	81
L0399	Inflate life preservers to perform leakage inspections	80
L0417	Remove or replace life preserver CO2 cartridges	80
L0395	Assess damage to determine repairability of life preservers	78
C0097	Troubleshoot malfunctions on sewing machines	77
K0359	Deflate life rafts	74
L0425	Visually inspect life preserver CO2 cartridges for serviceability	74
B0043	Clean stencil machines	74
L0418	Remove or replace life preserver CO2 inflators	74
K0350	Adjust pressures for life rafts	73
C0096	Time sewing machines	73
C0080	Adjust feed dogs	73
K0363	Inflate life rafts to perform leakage inspections	72
L0415	Remove or replace life preserver cells	72
B0042	Clean or wax parachute packing or work tables	71
A0035	Stencil data onto items, such as equipment, clothing, or parachute components, other than personnel restraint equipment	71
K0351	Apply talcum powder to life rafts	71
L0416	Remove or replace life preserver containers	71
P0510	Fabricate protective covers	70
K0354	Assess damage to determine repairability of life rafts	70
B0044	Connect or disconnect shop air supply hoses	70
K0392	Visually inspect life rafts	69
A0004	Fabricate foreign object damage (FOD) bags	69
K0370	Pack life rafts	68
L0406	Operationally check life preserver oral inflation valves	68
I0251	Pack personnel parachutes	67

Average Number of Tasks Performed = 186

TABLE 14
REPRESENTATIVE TASKS PERFORMED
BY AD DAFSC 2A754 PERSONNEL

TASKS		PERCENT MEMBERS PERFORMING (N=265)
C0089	Change needles on sewing machines	88
C0091	Change thread on sewing machines	86
C0092	Clean sewing machines	85
C0093	Inspect sewing machines	85
C0094	Lubricate sewing machines	85
C0082	Adjust thread tensions	83
A0002	Cut stencils	82
B0041	Clean facilities	80
C0096	Time sewing machines	79
C0097	Troubleshoot malfunctions on sewing machines	78
L0397	Deflate life preservers	75
L0426	Weigh life preserver CO2 cartridges	75
B0043	Clean stencil machines	75
L0403	Inspect life preservers	74
L0407	Pack life preservers	74
L0417	Remove or replace life preserver CO2 cartridges	74
L0398	Functionally test life preservers	74
C0080	Adjust feed dogs	74
L0395	Assess damage to determine repairability of life preservers	72
L0399	Inflate life preservers to perform leakage inspections	71
A0004	Fabricate foreign object damage (FOD) bags	71
L0415	Remove or replace life preserver cells	70
L0418	Remove or replace life preserver CO2 inflators	69
K0359	Deflate life rafts	68
L0416	Remove or replace life preserver containers	68
L0425	Visually inspect life preserver CO2 cartridges for serviceability	68
K0363	Inflate life rafts to perform leakage inspections	67
K0350	Adjust pressures for life rafts	66
B0044	Connect or disconnect shop air supply hoses	66
K0354	Assess damage to determine repairability of life rafts	66
K0351	Apply talcum powder to life rafts	65
L0408	Patch life preserver cells	65
B0042	Clean or wax parachute packing or work tables	64
P0510	Fabricate protective covers	64
A0035	Stencil data onto items, such as equipment, clothing, or parachute components, other than personnel restraint equipment	64
C0083	Adjust thread controller assemblies	64
K0371	Patch life rafts	64
P0503	Design patterns for protective covers	63

Average Number of Tasks Performed = 183

TABLE 15
 REPRESENTATIVE TASKS PERFORMED
 BY ANG DAFSC 2A754 PERSONNEL

TASKS		PERCENT MEMBERS PERFORMING (N=118)
L0407	Pack life preservers	98
L0403	Inspect life preservers	97
L0397	Deflate life preservers	96
L0399	Inflate life preservers to perform leakage inspections	95
L0398	Functionally test life preservers	95
L0417	Remove or replace life preserver CO2 cartridges	92
C0089	Change needles on sewing machines	92
C0091	Change thread on sewing machines	91
L0426	Weigh life preserver CO2 cartridges	91
A0002	Cut stencils	89
C0082	Adjust thread tensions	88
C0094	Lubricate sewing machines	87
B0041	Clean facilities	86
C0092	Clean sewing machines	86
L0395	Assess damage to determine repairability of life preservers	86
C0093	Inspect sewing machines	86
L0425	Visually inspect life preserver CO2 cartridges for serviceability	84
A0035	Stencil data onto items, such as equipment, clothing, or parachute components, other than personnel restraint equipment	83
K0359	Deflate life rafts	83
K0350	Adjust pressures for life rafts	83
K0370	Pack life rafts	81
B0042	Clean or wax parachute packing or work tables	81
L0418	Remove or replace life preserver CO2 inflators	81
K0351	Apply talcum powder to life rafts	80
K0363	Inflate life rafts to perform leakage inspections	78
K0392	Visually inspect life rafts	78
L0406	Operationally check life preserver oral inflation valves	78
L0416	Remove or replace life preserver containers	78
C0097	Troubleshoot malfunctions on sewing machines	78
K0362	Functionally test life rafts	77
P0529	Sew loose seams of protective covers	76
P0510	Fabricate protective covers	75
K0354	Assess damage to determine repairability of life rafts	75
L0414	Remove or replace life preserver batteries	75
L0415	Remove or replace life preserver cells	75
B0044	Connect or disconnect shop air supply hoses	74
K0393	Weigh life raft CO2 cylinders	73
P0501	Cut fabric for aircraft fabric items, such as avionics nets, bunk covers, or dust covers	73
P0528	Sew loose seams of aircraft fabric items	71

Average Number of Tasks Performed = 186

TABLE 16
 REPRESENTATIVE TASKS PERFORMED
 BY AFRC DAFSC 2A754 PERSONNEL

TASKS		PERCENT MEMBERS PERFORMING (N=48)
L0407	Pack life preservers	98
L0397	Deflate life preservers	96
L0399	Inflate life preservers to perform leakage inspections	94
L0403	Inspect life preservers	94
A0002	Cut stencils	94
L0395	Assess damage to determine repairability of life preservers	92
C0094	Lubricate sewing machines	92
L0398	Functionally test life preservers	92
O0498	Sew items, such as name tags or unit patches, onto protective or organizational clothing	90
C0082	Adjust thread tensions	90
P0501	Cut fabric for aircraft fabric items, such as avionics nets, bunk covers, or dust covers	90
K0359	Deflate life rafts	88
K0370	Pack life rafts	88
I0251	Pack personnel parachutes	88
K0392	Visually inspect life rafts	88
C0091	Change thread on sewing machines	88
L0426	Weigh life preserver CO2 cartridges	88
C0093	Inspect sewing machines	88
C0092	Clean sewing machines	88
P0510	Fabricate protective covers	88
C0089	Change needles on sewing machines	88
K0363	Inflate life rafts to perform leakage inspections	85
B0041	Clean facilities	85
L0417	Remove or replace life preserver CO2 cartridges	85
L0425	Visually inspect life preserver CO2 cartridges for serviceability	85
O0499	Sew Velcro tape onto protective or organizational clothing	83
K0350	Adjust pressures for life rafts	83
B0042	Clean or wax parachute packing or work tables	83
I0242	Assemble or disassemble personnel parachute systems	83
K0354	Assess damage to determine repairability of life rafts	83
A0035	Stencil data onto items, such as equipment, clothing, or parachute components, other than personnel restraint equipment	83
L0408	Patch life preserver cells	83
K0393	Weigh life raft CO2 cylinders	81
Q0560	Sew aircraft insulation	81
I0289	Remove or replace personnel parachute system risers	81
I0245	Inspect personnel parachute system automatic ripcord releases	79
I0294	Remove or replace personnel parachute system tackings	79
K0351	Apply talcum powder to life rafts	79
O0477	Inspect organizational clothing, such as flight suits or survival vests	77
I0253	Perform functional tests of personnel parachute system canopy releases	75

Average number of tasks performed = 202

TABLE 17
TASKS WHICH BEST DIFFERENTIATE BETWEEN
AD DAFSCs 2A734 AND 2A754 PERSONNEL
(PERCENT MEMBERS PERFORMING)

TASKS	ACTIVE			DIFF
	DAFSC 2A734 (N=166)	DAFSC 2A754 (N=265)	ACTIVE	
V0682	2	38	38	-37
Y0803	8	44	44	-36
V0716	1	37	37	-36
V0733	1	35	35	-34
V0710	*	33	33	-33
V0685	*	33	33	-33
W0738	2	34	34	-32
Y0801	15	47	47	-32
W0744	*	31	31	-31
X0784	24	55	55	-31
V0722	1	32	32	-31
V0713	1	31	31	-30
V0703	2	31	31	-29
X0775	4	31	31	-28
Y0793	5	33	33	-28
V0734	*	27	27	-27
Y0789	18	45	45	-27
C0096	53	79	79	-26
V0689	1	27	27	-26
V0696	2	29	29	-26
V0707	2	26	26	-25
V0708	1	25	25	-25
V0697	1	25	25	-24
W0737	1	25	25	-24

TABLE 18
TASKS WHICH BEST DIFFERENTIATE BETWEEN
AD AND ANG DAFSC 2A754 PERSONNEL
(PERCENT MEMBERS PERFORMING)

TASKS	ACTIVE DAFSC 2A754 (N=265)		ANG DAFSC 2A754 (N=118)		DIFF
V0688	Counsel subordinates concerning personal matters	51	5	45	
V0686	Conduct supervisory performance feedback sessions	47	4	43	
V0709	Evaluate personnel for compliance with performance standards	46	5	41	
V0702	Establish performance standards for subordinates	45	6	39	
V0733	Write or indorse military performance reports	35	1	34	
W0743	Counsel trainees on training progress	49	16	33	
V0715	Inspect personnel for compliance with military standards	46	14	32	
W0739	Certify proficiency of subordinates	43	12	31	
V0710	Evaluate personnel for promotion, demotion, reclassification, or special awards	33	3	30	
W0742	Conduct OJT	60	31	29	
V0685	Conduct supervisory orientations for newly assigned personnel	33	4	29	
V0713	Initiate actions required due to substandard performance of personnel	31	2	29	
V0716	Interpret policies, directives, or procedures for subordinates	37	9	28	
V0690	Determine or establish work assignments or priorities	51	23	28	
V0722	Perform supervisor followup inspections	32	5	27	
V0734	Write recommendations for awards or decorations	27	1	26	
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C0087	Change lamps on sewing machines	36	69	-33	
P0522	Perform TC TO modifications of aircraft fabric items	21	51	-30	
P0528	Sew loose seams of aircraft fabric items	43	71	-29	
O0498	Sew items, such as name tags or unit patches, onto protective or organizational clothing	38	66	-28	
P0520	Patch protective covers	40	65	-26	
P0518	Modify aircraft fabric items, such as avionics nets, bunk covers, or dust covers, other than TC TO modifications	23	49	-26	
Q0558	Repair aircraft covers, such as seat, headrest, or armrest covers	24	48	-25	

TABLE 19
TASKS WHICH BEST DIFFERENTIATE BETWEEN
AD AND AFRC DAFSC 2A754 PERSONNEL
(PERCENT MEMBERS PERFORMING)

TASKS	ACTIVE		AFRC		DIFF
	DAFSC 2A754 (N=265)	DAFSC 2A754 (N=48)			
V0688	51	13		38	
G0179	44	8		36	
G0177	43	8		35	
V0686	47	13		35	
V0702	45	10		34	
N0452	38	6		32	
V0709	46	15		31	
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O0498	38	90	Sew items, such as name tags or unit patches, onto protective or organizational clothing	-52	
Q0560	33	81	Sew aircraft insulation	-48	
Q0546	22	69	Patch aircraft insulation	-47	
Q0531	30	75	Cut fabric for aircraft soundproofing	-45	
Q0558	24	67	Repair aircraft covers, such as seat, headrest, or armrest covers	-43	
Q0553	19	63	Remove or replace aircraft soundproofing hardware	-43	
Q0555	17	58	Remove or replace Velcro tape on aircraft soundproofing	-42	
P0512	26	67	Inspect aircraft fabric items, such as avionics nets, bunk covers, or dust covers	-41	
Q0533	26	67	Cut insulating materials for aircraft soundproofing	-41	
Q0543	25	65	Inspect aircraft upholstery	-40	
P0524	10	50	Remove or replace aircraft fabric item patches, such as aircraft blowout or inspection hole patches	-40	
O0499	43	83	Sew Velcro tape onto protective or organizational clothing	-40	
P0502	47	88	Design patterns for aircraft fabric items, such as avionics nets, bunk covers, or dust covers	-40	
P0505	16	56	Fabricate aircraft fabric item patches, such as aircraft blowout or inspection hole patches	-40	
K0389	42	81	Repair or replace life raft carrying cases	-39	
P0506	44	83	Fabricate aircraft fabric items, such as avionics nets, bunk covers, or dust covers	-39	

TABLE 20
 REPRESENTATIVE TASKS PERFORMED
 BY ALL DAFSC 2A774 PERSONNEL

TASKS		PERCENT MEMBERS PERFORMING (N=178)
V0690	Determine or establish work assignments or priorities	83
V0682	Conduct self-inspections or self-assessments	83
C0091	Change thread on sewing machines	83
C0082	Adjust thread tensions	83
C0089	Change needles on sewing machines	83
C0093	Inspect sewing machines	82
A0002	Cut stencils	82
C0092	Clean sewing machines	80
L0395	Assess damage to determine repairability of life preservers	80
C0094	Lubricate sewing machines	79
L0397	Deflate life preservers	78
L0407	Pack life preservers	77
C0097	Troubleshoot malfunctions on sewing machines	77
L0403	Inspect life preservers	76
L0398	Functionally test life preservers	76
V0678	Assign personnel to work areas or duty positions	75
W0742	Conduct OJT	75
Y0789	Evaluate serviceability of equipment, tools, parts, or supplies	75
L0426	Weigh life preserver CO2 cartridges	75
L0417	Remove or replace life preserver CO2 cartridges	75
V0715	Inspect personnel for compliance with military standards	74
W0751	Evaluate progress of trainees	74
W0754	Maintain training records or files	74
B0041	Clean facilities	74
L0399	Inflate life preservers to perform leakage inspections	74
C0096	Tune sewing machines	74
V0688	Counsel subordinates concerning personal matters	73
V0718	Perform in-progress inspections	73
X0782	Review technical order changes	73
L0425	Visually inspect life preserver CO2 cartridges for serviceability	73
W0743	Counsel trainees on training progress	72
V0689	Determine or establish logistics requirements, such as personnel, equipment, tools, parts, supplies, or workspace	71
Y0803	Research computer systems or catalogues for supplies or equipment	71
Y0801	Use standard base supply system (SBSS)	71
P0503	Design patterns for protective covers	71
K0359	Deflate life rafts	71
K0350	Adjust pressures for life rafts	71
V0709	Evaluate personnel for compliance with performance standards	70
W0739	Certify proficiency of subordinates	70
V0696	Develop or establish work methods or procedures	70

Average Number of Tasks Performed = 237

TABLE 21
 REPRESENTATIVE TASKS PERFORMED
 BY AD DAFSC 2A774 PERSONNEL

TASKS		PERCENT MEMBERS PERFORMING (N=74)
V0733	Write or indorse military performance reports	92
V0686	Conduct supervisory performance feedback sessions	92
V0702	Establish performance standards for subordinates	91
V0690	Determine or establish work assignments or priorities	89
V0710	Evaluate personnel for promotion, demotion, reclassification, or special awards	89
V0688	Counsel subordinates concerning personal matters	89
V0715	Inspect personnel for compliance with military standards	89
V0682	Conduct self-inspections or self-assessments	88
V0678	Assign personnel to work areas or duty positions	88
V0709	Evaluate personnel for compliance with performance standards	86
V0734	Write recommendations for awards or decorations	86
V0716	Interpret policies, directives, or procedures for subordinates	85
V0685	Conduct supervisory orientations for newly assigned personnel	84
V0728	Schedule personnel for temporary duty (TDY) assignments, leaves, or passes	81
V0689	Determine or establish logistics requirements, such as personnel, equipment, tools, parts, supplies, or workspace	81
V0680	Conduct general meetings, such as staff meetings, briefings, conferences, or workshops	80
W0739	Certify proficiency of subordinates	80
W0751	Evaluate progress of trainees	80
W0754	Maintain training records or files	80
V0696	Develop or establish work methods or procedures	80
V0687	Coordinate technical problems with project managers or other agencies	78
V0703	Establish procedures for accountability of equipment, tools, parts, or supplies	78
V0713	Initiate actions required due to substandard performance of personnel	78
V0722	Perform supervisor follow-up inspections	78
V0719	Perform quality assurance evaluations (QAE) or quality control (QC) inspections	77
W0738	Brief personnel concerning training programs or matters	76
V0697	Develop or establish work schedules	76
V0707	Evaluate job hazards or compliance with Air Force Occupational Safety and Health (AFOSH) program	76
V0679	Assign sponsors for newly assigned personnel	76
W0743	Counsel trainees on training progress	74
V0718	Perform in-progress inspections	72
W0742	Conduct OJT	72
X0782	Review technical order changes	72
V0708	Evaluate maintenance or utilization of equipment, tools, parts, supplies, or workspace	70
X0767	Initiate or maintain standby rosters or workcenter pyramid recall rosters	70
W0744	Determine training requirements	68
Y0789	Evaluate serviceability of equipment, tools, parts, or supplies	68
V0681	Conduct ground safety inspections	65
X0769	Maintain administrative files or records	65

Average Number of Tasks Performed = 182

TABLE 22
 REPRESENTATIVE TASKS PERFORMED
 BY ANG DAFSC 2A774 PERSONNEL

TASKS		PERCENT MEMBERS PERFORMING (N=73)
L0397	Deflate life preservers	100
L0426	Weigh life preserver CO2 cartridges	100
C0089	Change needles on sewing machines	100
C0091	Change thread on sewing machines	99
L0407	Pack life preservers	99
L0399	Inflate life preservers to perform leakage inspections	99
C0094	Lubricate sewing machines	99
L0398	Functionally test life preservers	99
L0417	Remove or replace life preserver CO2 cartridges	99
L0425	Visually inspect life preserver CO2 cartridges for serviceability	99
L0395	Assess damage to determine repairability of life preservers	99
C0093	Inspect sewing machines	97
C0082	Adjust thread tensions	97
L0403	Inspect life preservers	96
C0092	Clean sewing machines	96
P0503	Design patterns for protective covers	96
L0418	Remove or replace life preserver CO2 inflators	96
P0517	Lay out protective cover patterns	93
B0041	Clean facilities	92
P0501	Cut fabric for aircraft fabric items, such as avionics nets, bunk covers, or dust covers	92
C0097	Troubleshoot malfunctions on sewing machines	92
P0510	Fabricate protective covers	90
B0042	Clean or wax parachute packing or work tables	89
P0528	Sew loose seams of aircraft fabric items	89
X0784	Update parachute records	88
K0350	Adjust pressures for life rafts	88
P0502	Design patterns for aircraft fabric items, such as avionics nets, bunk covers, or dust covers	88
A0035	Stencil data onto items, such as equipment, clothing, or parachute components, other than personnel restraint equipment	88
P0529	Sew loose seams of protective covers	88
L0406	Operationally check life preserver oral inflation valves	88
K0359	Deflate life rafts	86
P0506	Fabricate aircraft fabric items, such as avionics nets, bunk covers, or dust covers	86
K0354	Assess damage to determine repairability of life rafts	86
P0513	Inspect protective covers to determine repairability	86
C0083	Adjust thread controller assemblies	86
O0499	Sew Velcro tape onto protective or organizational clothing	85
K0363	Inflate life rafts to perform leakage inspections	85
K0351	Apply talcum powder to life rafts	85
K0392	Visually inspect life rafts	84
O0477	Inspect organizational clothing, such as flight suits or survival vests	82

Average Number of Tasks Performed = 279

TABLE 23
 REPRESENTATIVE TASKS PERFORMED
 BY AFRC DAFSC 2A774 PERSONNEL

TASKS		PERCENT MEMBERS PERFORMING (N=31)
C0091	Change thread on sewing machines	100
L0397	Deflate life preservers	100
L0417	Remove or replace life preserver CO2 cartridges	100
O0498	Sew items, such as name tags or unit patches, onto protective or organizational clothing	97
L0399	Inflate life preservers to perform leakage inspections	97
L0403	Inspect life preservers	97
L0407	Pack life preservers	97
L0395	Assess damage to determine repairability of life preservers	97
C0093	Inspect sewing machines	97
C0092	Clean sewing machines	97
K0363	Inflate life rafts to perform leakage inspections	97
C0089	Change needles on sewing machines	97
L0426	Weigh life preserver CO2 cartridges	97
K0359	Deflate life rafts	97
L0425	Visually inspect life preserver CO2 cartridges for serviceability	97
A0002	Cut stencils	97
O0477	Inspect organizational clothing, such as flight suits or survival vests	94
C0094	Lubricate sewing machines	94
L0398	Functionally test life preservers	94
C0082	Adjust thread tensions	94
K0350	Adjust pressures for life rafts	94
P0525	Remove or replace fabric item hardware	94
K0351	Apply talcum powder to life rafts	94
L0416	Remove or replace life preserver containers	94
O0499	Sew Velcro tape onto protective or organizational clothing	90
K0392	Visually inspect life rafts	90
K0354	Assess damage to determine repairability of life rafts	90
A0035	Stencil data onto items, such as equipment, clothing, or parachute components, other than personnel restraint equipment	90
L0414	Remove or replace life preserver batteries	90
L0406	Operationally check life preserver oral inflation valves	90
B0044	Connect or disconnect shop air supply hoses	90
A0008	Fabricate tarps	90
L0415	Remove or replace life preserver cells	90
K0370	Pack life rafts	87
P0510	Fabricate protective covers	87
B0041	Clean facilities	87
P0501	Cut fabric for aircraft fabric items, such as avionics nets, bunk covers, or dust covers	87
P0528	Sew loose seams of aircraft fabric items	87
P0529	Sew loose seams of protective covers	87
O0483	Modify organizational clothing, such as flight suits or survival vests	84

Average number of tasks performed = 271

TABLE 24
TASKS WHICH BEST DIFFERENTIATE BETWEEN
AD DAFSCs 2A754 AND 2A774 PERSONNEL
(PERCENT MEMBERS PERFORMING)

TASKS	AD		AD		DIFF
	DAFSC	DAFSC	DAFSC	DAFSC	
	2A754	2A774	2A754	2A774	
	(N=265)	(N=74)	(N=265)	(N=74)	
L0426	75	42	75	42	33
L0417	74	42	74	42	32
C0094	85	53	85	53	32
L0399	71	41	71	41	30
L0425	68	38	68	38	30
L0397	75	46	75	46	29
B0041	80	51	80	51	29
C0089	88	59	88	59	29
C0092	85	57	85	57	29
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V0728	19	81	19	81	-62
V0734	27	86	27	86	-59
V0679	17	76	17	76	-58
V0733	35	92	35	92	-57
V0680	23	80	23	80	-56
V0710	33	89	33	89	-56
V0687	25	78	25	78	-54
V0689	27	81	27	81	-54
X0767	16	70	16	70	-54
V0685	33	84	33	84	-51
V0697	25	76	25	76	-51
V0696	29	80	29	80	-51

TABLE 25
TASKS WHICH BEST DIFFERENTIATE BETWEEN
AD AND ANG DAFSC 2A774 PERSONNEL
(PERCENT MEMBERS PERFORMING)

TASKS	AD DAFSC 2A774 (N=74)	ANG DAFSC 2A774 (N=73)	DIFF
V0733 Write or indorse military performance reports	92	26	66
V0686 Conduct supervisory performance feedback sessions	92	37	55
V0680 Conduct general meetings, such as staff meetings, briefings, conferences, or workshops	80	34	45
V0734 Write recommendations for awards or decorations	86	42	44
V0713 Initiate actions required due to substandard performance of personnel	78	37	41
V0728 Schedule personnel for temporary duty (TDY) assignments, leaves, or passes	81	41	40
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P0517 Lay out protective cover patterns	31	93	-62
O0499 Sew Velcro tape onto protective or organizational clothing	24	85	-61
P0527 Replace damaged sections of protective covers	26	86	-61
C0087 Change lamps on sewing machines	31	92	-61
L0425 Visually inspect life preserver CO2 cartridges for serviceability	38	99	-61
Q0558 Repair aircraft covers, such as seat, headrest, or armrest covers	12	71	-59
P0520 Patch protective covers	26	85	-59
L0396 Clean life preservers	27	85	-58
P0506 Fabricate aircraft fabric items, such as avionics nets, bunk covers, or dust covers	28	86	-58
L0399 Inflate life preservers to perform leakage inspections	41	99	-58
L0426 Weigh life preserver CO2 cartridges	42	100	-58
O0487 Patch organizational clothing, such as flight suits or survival vests	26	82	-57
P0502 Design patterns for aircraft fabric items, such as avionics nets, bunk covers, or dust covers	31	88	-57
P0528 Sew loose seams of aircraft fabric items	32	89	-57
P0501 Cut fabric for aircraft fabric items, such as avionics nets, bunk covers, or dust covers	35	92	-57

TABLE 26
TASKS WHICH BEST DIFFERENTIATE BETWEEN
AD AND AFRC DAFSC 2A774 PERSONNEL
(PERCENT MEMBERS PERFORMING)

TASKS	ACTIVE			AFRC
	DAFSC	DAFSC		
	2A774	2A774		
	(N=74)	(N=31)	DIFF	
V0702	Establish performance standards for subordinates	91	42	49
X0767	Initiate or maintain standby rosters or workcenter pyramid recall rosters	70	26	44
W0737	Administer or score tests	54	10	44
V0680	Conduct general meetings, such as staff meetings, briefings, conferences, or workshops	80	35	44
V0686	Conduct supervisory performance feedback sessions	92	48	44
V0728	Schedule personnel for temporary duty (TDY) assignments, leaves, or passes	81	39	42
V0710	Evaluate personnel for promotion, demotion, reclassification, or special awards	89	48	41
V0713	Initiate actions required due to substandard performance of personnel	78	39	40
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O0498	Sew items, such as name tags or unit patches, onto protective or organizational clothing	23	97	-74
O0499	Sew Velcro tape onto protective or organizational clothing	24	90	-66
Q0560	Sew aircraft insulation	16	81	-64
P0526	Remove or replace protective cover hardware	26	87	-61
L0410	Perform continuity checks on life preserver lights or batteries	24	84	-60
P0525	Remove or replace fabric item hardware	34	94	-60
O0477	Inspect organizational clothing, such as flight suits or survival vests	34	94	-60
Q0546	Patch aircraft insulation	12	71	-59
L0425	Visually inspect life preserver CO2 cartridges for serviceability	38	97	-59
K0363	Inflate life rafts to perform leakage inspections	39	97	-58
L0414	Remove or replace life preserver batteries	32	90	-58
L0417	Remove or replace life preserver CO2 cartridges	42	100	-58
P0520	Patch protective covers	26	84	-58
Q0536	Fabricate aircraft blanket insulation	18	74	-57
L0421	Remove or replace life preserver survival items, such as sea dye markers or whistles	18	74	-57

TRAINING ANALYSIS

Occupational survey data are one of many sources of information that can be used to assist in the development of a training program relevant to the needs of personnel in their first enlistment. There are several factors that may be used in evaluating training. One of these factors is an overall description of the work being performed by first-enlistment personnel, as well as their overall distribution across career ladder jobs. Also, the percentages of first-enlistment (1-48 months Total Active Federal Military Service (TAFMS)) members performing specific tasks and the TE and TD ratings (previously explained in the **SURVEY METHODOLOGY** section) associated with these tasks may be useful as well.

First-Enlistment Personnel

In this study, there are 188 members in their first enlistment (1-48 months TAFMS), representing 24 percent of the total survey sample. Most of their duty time is spent on technical activities. Figure 2 shows the job distribution of first-enlistment personnel and Table 27 displays the relative percent of time spent on duties by these airmen.

Reviewing the table, first-enlistment personnel spend 39 percent of their time performing the technical tasks of Duties I, K, and L. Shop and sewing machine maintenance, and the servicing of protective and organizational clothing are performed nearly as much as the aforementioned duties. First-enlistment personnel are primarily employed in the Survival Equipment Maintenance Job.

Figure 2 shows that 60 percent of members in their first enlistment perform in the core cluster of Survival Equipment Maintenance. The next largest group at 15 percent is within the Flotation Equipment Maintenance Cluster and then the entry-level job of Protective Clothing Maintenance at 5 percent. In general, the specialty job structure for first-enlistment personnel is not very different from the overall career ladder job structure discussed earlier in this report.

Table 28 lists representative tasks performed by first-enlistment personnel. Most involve life preserver, life raft, and general shop or sewing machine maintenance. Although none of the tasks listed here are within Duty I, *Servicing Personnel Parachute Systems*, this does not indicate incongruence with Table 27. This anomaly is due to the fact that the members performing tasks from Duty I tend to spend a very large part of their time on these tasks, even though not as great a percentage of first enlistment airmen service personnel parachute systems as service life rafts and life preservers.

Table 29 shows the major life rafts and life preservers maintained by first-enlistment personnel. Table 30 indicates the type of sewing machines used, how they are maintained, and how often. Finally, Table 31 shows the main types of parachutes serviced. Each of these tables lists the percent of first-enlistment personnel performing for each category.

AFSC 2A7X4 CAREER LADDER SPECIALTY JOBS
By First Enlistment Personnel (1-48 MOS TAFMS)
(N = 188)

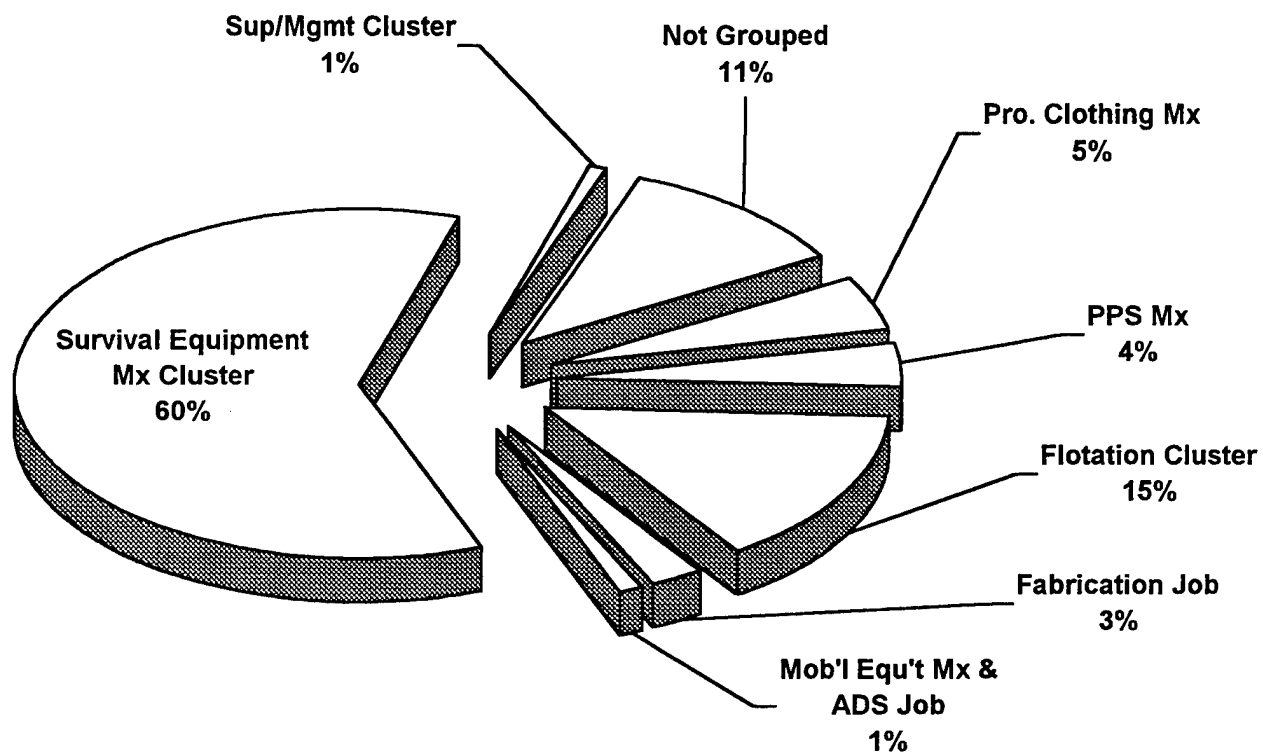


FIGURE 2

TABLE 27
RELATIVE PERCENT TIME SPENT ON DUTIES BY
AFSC 2A7X4 FIRST-ENLISTMENT PERSONNEL
(N=188)

DUTIES	PERCENT TIME SPENT
A PERFORMING GENERAL MAINTENANCE ACTIVITIES	6
B MAINTAINING SHOP EQUIPMENT AND FACILITIES	8
C MAINTAINING SEWING MACHINES	8
D PERFORMING GENERAL SERVICING OF PARACHUTE SYSTEMS	2
E SERVICING CARGO PARACHUTE SYSTEMS	-
F SERVICING DECELERATION PARACHUTE SYSTEMS	1
G SERVICING DROGUE PARACHUTE SYSTEMS	2
H SERVICING MISSILE OR DRONE RECOVERY PARACHUTE SYSTEMS	-
I SERVICING PERSONNEL PARACHUTE SYSTEMS	13
J SERVICING PERSONNEL RECOVERY SYSTEMS PARACHUTES	5
K SERVICING LIFE RAFTS	13
L SERVICING LIFE PRESERVERS	13
M SERVICING ESCAPE SLIDES	2
N MAINTAINING EXPLOSIVE AND HAZARDOUS DEVICES	3
O SERVICING PROTECTIVE OR ORGANIZATIONAL CLOTHING	7
P INSPECTING, MANUFACTURING, AND REPAIRING AIRCRAFT FABRIC ITEMS OR PROTECTIVE COVERS	6
Q INSPECTING, MANUFACTURING, AND REPAIRING AIRCRAFT SOUNDPROOFING OR UPHOLSTERY	4
R INSPECTING, MANUFACTURING, AND REPAIRING RESTRAINING EQUIPMENT	1
S INSPECTING, MANUFACTURING, AND REPAIRING THERMAL CURTAINS	1
T MAINTAINING MOBILE EQUIPMENT AND FACILITIES	-
U PERFORMING MOBILITY AND CONTINGENCY ACTIVITIES	-
V PERFORMING MANAGEMENT AND SUPERVISORY ACTIVITIES	-
W PERFORMING TRAINING ACTIVITIES	-
X PERFORMING GENERAL ADMINISTRATIVE AND TECHNICAL ORDER SYSTEM ACTIVITIES	1
Y PERFORMING GENERAL SUPPLY AND EQUIPMENT ACTIVITIES	1

" - " indicates less than 1 percent

TABLE 28
 REPRESENTATIVE TASKS PERFORMED BY AFSC 2A7X4
 FIRST-ENLISTMENT (1-48 MOS TAFMS) PERSONNEL

TASKS		PERCENT MEMBERS PERFORMING (N=188)
C0091	Change thread on sewing machines	87
C0094	Lubricate sewing machines	87
C0092	Clean sewing machines	86
C0089	Change needles on sewing machines	86
C0082	Adjust thread tensions	85
A0002	Cut stencils	84
L0407	Pack life preservers	81
L0399	Inflate life preservers to perform leakage inspections	81
L0403	Inspect life preservers	81
L0397	Deflate life preservers	81
C0093	Inspect sewing machines	79
L0398	Functionally test life preservers	79
K0351	Apply talcum powder to life rafts	79
L0426	Weigh life preserver CO2 cartridges	78
L0417	Remove or replace life preserver CO2 cartridges	78
L0395	Assess damage to determine reparability of life preservers	78
B0041	Clean facilities	76
K0363	Inflate life rafts to perform leakage inspections	76
K0359	Deflate life rafts	76
A0004	Fabricate foreign object damage (FOD) bags	74
K0350	Adjust pressures for life rafts	74
K0392	Visually inspect life rafts	73
K0354	Assess damage to determine reparability of life rafts	73
B0043	Clean stencil machines	73
K0371	Patch life rafts	72
K0362	Functionally test life rafts	72
L0418	Remove or replace life preserver CO2 inflators	72
A0035	Stencil data onto items, such as equipment, clothing, or parachute components, other than personnel restraint equipment	71
K0393	Weigh life raft CO2 cylinders	70
L0425	Visually inspect life preserver CO2 cartridges for serviceability	70
L0416	Remove or replace life preserver containers	68
K0370	Pack life rafts	67
P0510	Fabricate protective covers	67
I0251	Pack personnel parachutes	65
B0044	Connect or disconnect shop air supply hoses	65
K0381	Remove or replace life raft CO2 cylinders	65
L0408	Patch life preserver cells	65
L0415	Remove or replace life preserver cells	65
L0414	Remove or replace life preserver batteries	64
L0406	Operationally check life preserver oral inflation valves	62

Average Number of Tasks Performed = 149

TABLE 29
LIFE RAFTS AND LIFE PRESERVERS MAINTAINED
BY > 10 PERCENT FIRST ENLISTMENT AFSC 2A7X4 PERSONNEL

LIFE RAFT/LIFE PRESERVER MAINTAINED	Percent Maintaining (N=188)
LPU-10/P	65
1-Man Life raft	61
20 Man Life raft	60
LPU-9/P	43
MB-1	41
7-Man Life raft	38
A-A-50652	37
LPU-6/P	35
LPU-9/AP	26
LPU-3/P	19
MD-1	17
T-9 Life raft	15

TABLE 30
SEWING MACHINES USED BY
FIRST-ENLISTMENT AFSC 2A7X4 PERSONNEL
AND METHODS USED TO MAINTAIN THEM

MACHINE	Percent Maintaining (N=188)
Consew, Medium-Weight or Universal-Type	65
Zig Zag Machine	50
Consew, Medium-Weight, Longarm	39
Singer, Heavy-Duty-Weight	26
Consew, Lightweight or Tailoring-Type	26
Singer, Lightweight or Tailoring-Type	24
Darning Machine	22
Consew, Heavy-Duty-Weight	21
Eagle, Medium-Weight	21
Chandler Chandsew, Medium-Weight or Universal-Type	15
Singer, Medium-Weight or Universal-Type	10
Phaff, Medium-Weight or Universal-Type	9
• Chandler Chandsew, Lightweight or Tailoring-Type	9
 METHOD USED TO MAINTAIN	 Percent Using Method
Routine Maintenance by AFSC 2A7X4, contractor overhauls	24
All Maintenance by AFSC 2A7X4 personnel	72
All Maintenance by contractors	2
Other	2
 TIMES PER YEAR YOU PERFORM OVERHAULS	 Percent Performing
None	85
Once a year	7
Twice a year	2
Other (Three or more)	6

TABLE 31
PARACHUTES SERVICED BY
FIRST-ENLISTMENT AFSC 2A7X4 PERSONNEL

Type	PARACHUTE	Percent Maintaining (N=188)
Cargo	T-10C	7
Drag	MB-6 (F-4)	10
	B-52	6
Drogue	ACES-II	44
	3-70910-1, T-38 Drogue	6
Drone recovery	None	
Personnel	BA-XX Standard Back Automatic	59
	A/P28S-(17/18)	13
	Back Automatic Force Deployed	9
	C-12	6
Personnel Recovery System	ACES-II	43
	MK/H-7	30
	MK/GH-7	2
Specialized	24-Foot Chest Reserve	24
	MC-1C	24
	MC-5	20
	MC-4	19
	Ram Air, MT-1X	16
	Ram Air, Mt-1S (Reserve)	15
	MC-1B	14
	T-10	9
	Windrift Indicator Chute	7

Training Emphasis (TE) and Task Difficulty (TD) Data

TE and TD data are secondary factors that can assist technical school personnel in deciding which tasks should be emphasized in entry-level training. These ratings, based on the judgments of senior career ladder NCOs working at operational units in the field, are collected to provide training personnel with a rank-ordering of those tasks in the JI considered important for first-enlistment personnel training (see Table 32 for the top-rated Training Emphasis tasks). Also included for the training personnel is a measure of the difficulty of the JI tasks (see highest difficulty rated tasks in Table 33).

When combined with data on the percentages of first-enlistment personnel performing tasks, comparisons can then be made to determine if training adjustments are necessary. For example, tasks receiving high ratings on both task factors, accompanied by moderate to high percentages performing, may warrant resident training. Those tasks receiving high task factor ratings, but low percentages performing, may be more appropriately planned for OJT programs within the career ladder. Low task factor ratings may highlight tasks best omitted from training for first-enlistment personnel, but this decision must be weighed against percentages of personnel performing the tasks, command concerns, and criticality of the tasks.

To assist technical school personnel, AFOMS has developed a computer program that incorporates these secondary factors and the percentage of first-enlistment personnel performing each task to produce an Automated Training Indicator (ATI) for each task. These indicators correspond to training decisions listed and defined in the Training Decision Logic Table found in Attachment 2, AETCI 36-2601, and allows course personnel to quickly focus their attention on those tasks which are most likely to qualify for initial resident course consideration.

Table 32 presents tasks with the highest TE ratings for AFSC 2A7X4 first-enlistment airmen, while Table 33 displays those tasks AFSC 2A7X4 raters judged to be most difficult to learn. For example, TE raters (refer to Table 32) reported that tasks such as "Pack personnel parachutes" and "Pack life preservers" require a high degree of training emphasis and, from the data, most airmen in their first job and within their first enlistment are performing these tasks. Table 33 shows TD raters reported "Remove or replace personnel recovery system parachute canopy panels" to be the most difficult task to learn. However, due to the low numbers of individuals performing this task, it may be more appropriate for OJT rather than included in the resident curriculum.

Various lists of tasks, accompanied by TE and TD ratings and where appropriate, ATI information, are contained in the TRAINING EXTRACT package and should be reviewed in detail by training school personnel. (For a more detailed explanation of TE and TD ratings, see Task Factor Administration in the **SURVEY METHODOLOGY** section of this report.)

TABLE 32
TASKS RATED HIGHEST IN TRAINING EMPHASIS

TASKS	PERCENT MEMBERS PERFORMING				TASK DIFF**
	TNG EMP*	1 ST JOB (N=84)	1 ST ENL (N=188)		
I0251 Pack personnel parachutes	6.73	62	65		6.19
L0407 Pack life preservers	6.46	83	81		4.78
I0245 Inspect personnel parachute system automatic ripcord releases	6.43	58	55		5.52
K0371 Patch life rafts	6.34	73	72		5.47
J0307 Pack personnel recovery system parachutes	6.32	35	34		6.09
I0259 Remove or replace personnel parachute system automatic opening devices	6.27	43	45		5.77
I0240 Adjust personnel parachute system four-line jettison lanyards	6.20	57	57		5.68
C0096 Time sewing machines	6.16	51	58		6.34
L0408 Patch life preserver cells	6.04	63	65		5.16
K0370 Pack life rafts	6.02	71	67		5.35
G0179 Pack drogue parachutes	6.02	32	38		5.66
J0304 Inspect personnel recovery parachutes	5.98	38	36		5.73
L0403 Inspect life preservers	5.93	83	81		4.20
K0362 Functionally test life rafts	5.86	71	72		3.83
I0242 Assemble or disassemble personnel parachute systems	5.86	51	50		6.28
I0266 Remove or replace personnel parachute system canopies	5.82	42	48		6.22
I0248 Inspect personnel parachutes, other than acceptance inspections	5.80	33	38		5.92
C0082 Adjust thread tensions	5.79	83	85		3.32
L0399 Inflate life preservers to perform leakage inspections	5.71	85	81		3.51

* Mean TE Rating is 2.13 , and Standard Deviation is 1.49 (High TE = 3.62)

** Average TD Rating is 5.00

TABLE 33
TASKS RATED HIGHEST IN TASK DIFFICULTY

TASKS	TASK DIFF	1 ST JOB (N=84)	1 ST ENL (N=188)	PERCENT MEMBERS PERFORMING				TNG EMP
				3-SKL LVL (N=166)	5-SKL LVL (N=265)	7-SKL LVL (N=74)		
J0317	Remove or replace personnel recovery system parachute canopy panels	6	7	7	5	4	2.66	
I0267	Remove or replace personnel parachute system canopy panels	4	6	7	6	11	2.48	
J0341	Remove or replace personnel recovery system parachute suspension lines	7	9	8	8	11	3.25	
I0293	Remove or replace personnel parachute system suspension lines	14	18	19	12	12	3.64	
E0129	Remove or replace cargo parachute system canopy panels	-	2	1	6	4	1.43	
C0086	Assemble or disamble upper and lower shafts	18	19	16	32	24	3.38	
F0158	Remove or replace deceleration parachute system canopy panels	4	3	4	4	5	1.29	
G0194	Remove or replace drogue parachute system suspension lines	6	7	8	6	8	2.91	
J0346	Remove or replace pitot tube assemblies	13	15	14	20	23	3.27	
U0646	Determine cost factors for support agreements	1	2	2	3	8	.23	
E0140	Remove or replace cargo parachute system suspension lines	4	4	4	6	5	2.21	
C0097	Troubleshoot malfunctions on sewing machines	54	59	56	78	58	5.66	
M0433	Fill escape slide compressed air cylinders	2	6	7	8	7	2.41	
U0648	Develop contingency exercise mobility (CEM) orders	1	2	2	2	3	.09	
K0361	Fill life raft CO ₂ cylinders	15	22	20	18	15	3.34	
I0252	Patch personnel parachute system canopies	25	26	24	31	27	4.61	
U0647	Determine specific source of personnel requirements for deployment manning documents	1	2	2	2	7	.21	

* Mean TE Rating is 2.13 , and Standard Deviation is 1.49 (High TE = 3.62)

** Average TD Rating is 5.00

Specialty Training Standard (STS)

A comprehensive review of STS 2A7X4, dated January 1995, compared STS items to survey data (based on the previously-mentioned assistance from subject-matter experts in matching JI tasks to STS elements). STS elements containing general knowledge information, mandatory entries, subject-matter-knowledge-only requirements, or basic supervisory responsibilities were not examined. Task knowledge and performance elements of the STS were compared against the standard set forth in AETCI 36-2601 and AFI 36-2623 (i.e., include tasks performed or knowledge required by 20 percent or more of the personnel in a skill level (criterion group) of the AFS).

Overall, the STS provides very comprehensive coverage of the work performed by personnel in this career ladder with survey data supporting all of the essential elements. Some elements with no performance coding have high percentages of personnel performing matched tasks and should be reviewed by training personnel for possible inclusion in the basic course (Table 34).

Tasks not referenced to any element of the STS are listed at the end of the STS computer listing. These tasks were reviewed to determine if there were any tasks concentrated around any particular function or job. Those technical tasks performed by 20 percent or more respondents of the STS target groups, but which were not referenced to any STS element, are displayed in Table 35. Training personnel and SMEs should review these unreferenced tasks to determine if inclusion in the STS is justified.

Plan Of Instruction (POI)

POI J3ABR2A734 dated 15 January 1998 was reviewed using survey data in order to validate the Survival Equipment Apprentice course taught at Sheppard AFB, TX. POI elements containing general knowledge information, subject-matter-knowledge-only requirements, or basic responsibilities were not examined. Technical and performance areas were matched with tasks actually taught during the course. Any area with a matched task that less than 30 percent of the first enlistment (1-48 mos TAFMS) members were performing was identified for review and inquiry. Overall, the POI was well supported by survey data.

Of the POI areas matched to, only four areas fell short of the recommended 30 percent. These areas are listed in Table 36 along with a representative task, TE rating, TD rating, ATI, and percent performing. These three areas, although falling short, all had at least 25 percent performing.

TABLE 34
EXAMPLES OF TECHNICAL TASKS PERFORMED BY AFSC 2A7X4 GROUP MEMBERS
SUGGESTED FOR PROFICIENCY CODE REVIEW TO PERFORMANCE CODING

TASKS	3-Lvl Course	5-Lvl CDC	TNG EMP	PERCENT MEMBERS PERFORMING			TASK DIFF	ATI
				3-SKL LVL (N=166)	5-SKL LVL (N=265)	7-SKL LVL (N=74)		
15.e.(4) C0084	--	B	3.55	28	48	34	4.74	15
Sewing Machines – Perform Shop Maintenance (Overhaul) Assemble or disassemble face assemblies								
17.a.(3) D0101	--	B	3.25	36	34	23	5.02	15
I0255			3.36	34	49	30	6.32	15
I0256			4.20	30	30	19	5.25	12
Parachute Systems – Repair Back Automatic Parachutes Darn parachute system containers Perform TCTO modifications of personnel parachutes Remove or Replace personnel parachute PLDs								
18.g. P0516	--	B	3.55	33	40	39	6.36	15
Fabric Items – Interpret Blueprints/Drawings Interpret blueprints for protective covers								
18.i.(3) R0578	--	--	1.88	30	32	24	4.38	14
Fabric Items – Repair/Modify Restraint/Safety Devices Sew loose seams on nets, such as cargo, safety, or aircraft door nets								

* Mean TE Rating is 2.13 , and Standard Deviation is 1.49 (High TE = 3.62)

** Average TD Rating is 5.00

TABLE 35
 EXAMPLES OF TECHNICAL TASKS PERFORMED BY 20 PERCENT OR MORE
 GROUP MEMBERS AND NOT REFERENCED TO THE STS

TASKS	TNG EMP	PERCENT MEMBERS PERFORMING			TASK DIFF	ATI	
		3-SKL LVL (N=166)	5-SKL LVL (N=265)	7-SKL LVL (N=74)			
K0355	Bleed life raft CO ₂ cylinders	4.02	33	33	28	4.95	12
P0504	Design prototypes for aircraft fabric items	2.38	27	34	38	6.43	7
N0455	Inventory parachute explosive devices	2.91	23	31	43	4.36	7
A0034	Service equipment from other base organizations	.79	36	39	24	5.10	14

* Mean TE Rating is 2.13 , and Standard Deviation is 1.49 (High TE = 3.62)
 ** Average TD Rating is 5.00

TABLE 36
EXAMPLES OF AFSC 2A7X4 POI ITEMS
SUGGESTED FOR REDUCTION OF PROFICIENCY CODING OR DELETION
(LOW PERCENTAGES OF MEMBERS PERFORMING)

TASKS		TNG EMP	Percent First Job (1-24 mos)	Percent First Enlist (1-48 mos)	TASK DIFF	ATI
III.2.f.	Fabricated Items – Fabricate Upholstery					
Q0545	Modify aircraft upholstery	1.77	19	25	5.73	2
III.2.k.	Fabricated Items – Repair a Damaged Item of Soundproofing					
Q0546	Patch aircraft insulation	2.36	24	25	4.67	7
IV.4.b.	Protective Clothing – Test Anti-Exposure Suit					
Q0500	Test anti-exposure suits for serviceability	3.66	23	28	5.35	11
VI.4.c.	Back Automatic Parachute – Inspect Accessories for Serviceability					
N0450	Inspect emergency oxygen cylinders	3.71	27	26	3.81	9

* Mean TE Rating is 2.13 , and Standard Deviation is 1.49 (High TE = 3.62)

** Average TD Rating is 5.00

JOB SATISFACTION ANALYSIS

An examination of the job satisfaction indicators of various groups can give career ladder managers a better understanding of some of the factors which may affect the job performance of airmen in the career ladder. Attitude questions covering job interest, perceived utilization of talents and training, sense of accomplishment from work, and reenlistment intentions were included in the survey booklet to provide indications of job satisfaction.

Table 37 presents job satisfaction data for AFSC 2A7X4 TAFMS groups, together with TAFMS data for a comparative sample of Mission Equipment Management career ladders surveyed in 1997. Of note is that although job interest and perceived utilization of talents was somewhat lower for this career ladder than others, the utilization of training remains high throughout. Sense of accomplishment was only slightly lower than the comparative sample. Reenlistment intentions for AFSC 2A7X4 were slightly higher.

An indication of how job satisfaction perceptions have changed over time is provided in Table 38, where again TAFMS data for the current survey respondents are presented, along with data from the last (March 1994) Occupational Survey Report. Reviewing this table, current survey satisfaction ratings for job interest, perceived utilization of talents, sense of accomplishment, and reenlistment intentions has dropped noticeably for the 49-96 months TAFMS group. For the first-enlistment career group (1-48 months TAFMS) only reenlistment intentions has shown a noticeable drop. For the 97+ months TAFMS group, no major changes are evident.

In Table 39, a review of the job satisfaction ratings for the specialty jobs and clusters identified in this survey reveals low satisfaction ratings among the Fabrication Job members, the Mobile Equipment Maintenance Job members, and the Flotation Equipment Maintenance Cluster. These airmen expressed lower job interest and lower talent utilization than the other members of their career ladder. Also, their job gives them a lower sense of accomplishment than that of members within the other jobs and clusters. The members of the Flotation Equipment Maintenance Cluster report the lowest reenlistment intentions of any other group at only 54 percent planning to reenlist within the AD sample.

TABLE 37
COMPARISON OF JOB SATISFACTION INDICATORS BY TAFMS GROUPS
(PERCENT MEMBERS RESPONDING)

1-48 MOS TAFMS		49-96 MOS TAFMS		97+ MOS TAFMS	
1998 2A7X4 (N=188)	COMP SAMPLE* (N=3883)	1998 2A7X4 (N=89)	COMP SAMPLE* (N=2651)	1998 2A7X4 (N=228)	COMP SAMPLE* (N=6033)
42	65	38	65	70	74
28	19	27	20	17	17
29	16	35	15	13	9
53	72	56	75	80	83
47	28	44	25	20	17
90	85	87	82	85	80
10	15	13	18	15	20
58	64	62	66	72	72
21	17	19	15	10	11
21	19	19	19	18	17
54	52	67	66	79	71
46	48	33	34	8	8
0	0	0	0	13	21

EXPRESSED JOB INTEREST:

INTERESTING
SO-SO
DULL

PERCEIVED UTILIZATION OF TALENTS:

FAIRLY WELL TO PERFECTLY
LITTLE OR NOT AT ALL

PERCEIVED UTILIZATION OF TRAINING:

FAIRLY WELL TO PERFECTLY
LITTLE OR NOT AT ALL

SENSE OF ACCOMPLISHMENT GAINED FROM

WORK:

SATISFIED
NEUTRAL
DISSATISFIED

REENLISTMENT INTENTIONS*:

YES, OR PROBABLY YES
NO, OR PROBABLY NO
PLAN TO RETIRE

* *Active Duty Only*

Comparative sample of Mission Equipment Management career ladders surveyed in 1997

TABLE 38
COMPARISON OF CURRENT SURVEY AND PREVIOUS SURVEY BY TAFMS GROUPS
(PERCENT MEMBERS RESPONDING)

1-48 MOS TAFMS		49-96 MOS TAFMS		97+ MOS TAFMS	
1998 2A7X4 (N=188)	1993 2A7X4 (N=219)	1998 2A7X4 (N=89)	1993 2A7X4 (N=176)	1998 2A7X4 (N=228)	1993 2A7X4 (N=239)
42	44	38	55	70	69
28	26	27	23	17	18
29	29	35	22	13	13
52	54	56	69	80	82
47	46	44	31	20	17
90	85	87	89	85	86
10	15	13	11	15	14
58	60	62	73	72	77
21	19	19	14	10	9
21	21	19	14	18	14
54	69	67	81	79	78
46	31	33	19	8	5
0	0	0	0	13	17

EXPRESSED JOB INTEREST:

INTERESTING
SO-SO
DULL

PERCEIVED UTILIZATION OF TALENTS:

FAIRLY WELL TO PERFECTLY
LITTLE OR NOT AT ALL

PERCEIVED UTILIZATION OF TRAINING:

FAIRLY WELL TO PERFECTLY
LITTLE OR NOT AT ALL

SENSE OF ACCOMPLISHMENT GAINED FROM

WORK:

SATISFIED
NEUTRAL
DISSATISFIED

REENLISTMENT INTENTIONS*:

YES, OR PROBABLY YES
NO, OR PROBABLY NO
PLAN TO RETIRE

* Active Duty Only

TABLE 39

COMPARISON OF JOB SATISFACTION INDICATORS BY SPECIALTY JOBS
(PERCENT MEMBERS RESPONDING)

Surv'l Eq't Mx Cluster (ST049) (N=516)	Flot'n Equip Mx Cluster (ST040) (N=74)	Sup'r/ Mgmt Cluster (ST032) (N=64)	PPS Mx Job (ST042) (N=15)	Pro. Clth'g Mx Job (ST071) (N=9)	Fabric- ation Job (ST061) (N=17)	Mobile Equip Mx Job (ST066) (N=5)	ADS Job (ST050) (N=13)
INTERESTING	53	80	60	56	53	20	77
SO-SO	20	14	27	22	12	40	0
DULL	27	6	13	22	35	40	23
FAIRLY WELL TO PERFECTLY LITTLE OR NOT AT ALL	62 38	86 14	80 20	67 33	41 59	40 60	85 15
FAIRLY WELL TO PERFECTLY LITTLE OR NOT AT ALL	89 11	84 16	93 7	62 38	71 29	100 0	77 23
SATISFIED	68	78	80	67	47	60	77
NEUTRAL	18	9	13	22	12	0	15
DISSATISFIED	14	13	7	11	41	40	8
YES, OR PROBABLY YES	54	73	62	100	69	80	92
NO, OR PROBABLY NO	46	6	38	0	31	20	0
WILL RETIRE	0	20	0	0	0	0	8

EXPRESSED JOB INTEREST:

INTERESTING

SO-SO

DULL

PERCEIVED UTILIZATION OF TALENTS:

FAIRLY WELL TO PERFECTLY

LITTLE OR NOT AT ALL

PERCEIVED UTILIZATION OF TRAINING:

FAIRLY WELL TO PERFECTLY

LITTLE OR NOT AT ALL

SENSE OF ACCOMPLISHMENT FROM
WORK:

SATISFIED

NEUTRAL

DISSATISFIED

REENLISTMENT INTENTIONS*:

YES, OR PROBABLY YES

NO, OR PROBABLY NO

WILL RETIRE

* Active Duty Only

IMPLICATIONS

This survey was initiated to provide current job and task data for use in evaluating the AFMAN 36-2108 *Specialty Description* and appropriate training documents. Survey results clearly indicate that the present classification structure, as described in the latest specialty description, accurately portrays the jobs performed in this career ladder.

Career ladder training documents appear on the whole to be well supported by survey data, although some areas may require further review to ensure appropriate proficiency coding. Some identified tasks should also be examined for possible STS inclusion. Other areas in the STS and POI should be examined along with the data for currency and, if not supported, removed or amended.

Some job satisfaction indicators for this career ladder, although normally below the average, have dropped since the last survey, primarily among members in their second enlistment. Reenlistment intentions have also dropped somewhat among first and second enlistment personnel. While this is noteworthy, these indicators remain about the average when compared with those of similar career ladders. Across the various jobs, the greatest dissatisfaction seems to be within the Flotation Equipment Maintenance Cluster, the Mobile Equipment Maintenance Job, and the Fabrication Job. Perceived utilization of training remains high at every level.

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APPENDIX A

SELECTED REPRESENTATIVE TASKS PERFORMED BY SPECIALTY JOB GROUPS

TABLE A1

Survival Equipment Maintenance Job (ST089)		PERCENT MEMBERS PERFORMING (N=435)
TASKS		
L0397	Deflate life preservers	99
L0407	Pack life preservers	98
L0398	Functionally test life preservers	98
L0426	Weigh life preserver CO2 cartridges	98
L0403	Inspect life preservers	98
L0399	Inflate life preservers to perform leakage inspections	96
L0417	Remove or replace life preserver CO2 cartridges	96
L0395	Assess damage to determine repairability of life preservers	96
C0092	Clean sewing machines	96
C0089	Change needles on sewing machines	96
C0091	Change thread on sewing machines	96
C0094	Lubricate sewing machines	96
C0093	Inspect sewing machines	95
C0082	Adjust thread tensions	94
L0418	Remove or replace life preserver CO2 inflators	94
L0425	Visually inspect life preserver CO2 cartridges for serviceability	94
A0002	Cut stencils	94
L0416	Remove or replace life preserver containers	93
L0415	Remove or replace life preserver cells	91
K0359	Deflate life rafts	91
K0350	Adjust pressures for life rafts	91
B0041	Clean facilities	91
K0351	Apply talcum powder to life rafts	91
K0363	Inflate life rafts to perform leakage inspections	90
K0354	Assess damage to determine repairability of life rafts	89
K0371	Patch life rafts	89
L0408	Patch life preserver cells	88
C0097	Troubleshoot malfunctions on sewing machines	88
L0406	Operationally check life preserver oral inflation valves	88
B0043	Clean stencil machines	88
K0392	Visually inspect life rafts	87
B0044	Connect or disconnect shop air supply hoses	87
P0503	Design patterns for protective covers	87
P0510	Fabricate protective covers	86
B0042	Clean or wax parachute packing or work tables	86
K0362	Functionally test life rafts	85
B0056	Inspect stencil machines	84
C0080	Adjust feed dogs	84
L0413	Remove or replace damaged hardware on life preservers	83
A0035	Stencil data onto items, such as equipment, clothing, or parachute components, other than personnel restraint equipment	83
A0004	Fabricate foreign object damage (FOD) bags	83
C0096	Time sewing machines	83
I0251	Pack personnel parachutes	82

TABLE A2

Deceleration/Drag Parachute Maintenance Job (ST088)		PERCENT MEMBERS PERFORMING (N=19)
TASKS		
I0294	Remove or replace personnel parachute system tackings	100
I0251	Pack personnel parachutes	100
I0277	Remove or replace personnel parachute system fastener hardware, such as snaps, grommets, or zippers	100
I0286	Remove or replace personnel parachute system pilot chutes	100
I0245	Inspect personnel parachute system automatic ripcord releases	95
I0282	Remove or replace personnel parachute system locator beacons	95
I0285	Remove or replace personnel parachute system pack locking loops	95
I0242	Assemble or disassemble personnel parachute systems	95
C0093	Inspect sewing machines	95
L0399	Inflate life preservers to perform leakage inspections	95
I0289	Remove or replace personnel parachute system risers	95
C0094	Lubricate sewing machines	95
I0240	Adjust personnel parachute system four-line jettison lanyards	95
I0259	Remove or replace personnel parachute system automatic opening devices	95
I0270	Remove or replace personnel parachute system connector links	95
C0082	Adjust thread tensions	95
C0092	Clean sewing machines	89
L0407	Pack life preservers	89
I0243	Assess damage to determine repairability of personnel parachutes	89
I0271	Remove or replace personnel parachute system containers, such as packs	89
I0266	Remove or replace personnel parachute system canopies	89
C0091	Change thread on sewing machines	89
L0397	Deflate life preservers	89
L0403	Inspect life preservers	89
L0398	Functionally test life preservers	89
C0089	Change needles on sewing machines	89
I0248	Inspect personnel parachutes, other than acceptance inspections	84
I0279	Remove or replace personnel parachute system harnesses	84
I0244	Inspect personnel parachute system personnel lowering devices (PLDs)	84
K0359	Deflate life rafts	84
K0362	Functionally test life rafts	84
L0426	Weigh life preserver CO2 cartridges	84
L0395	Assess damage to determine repairability of life preservers	84
L0417	Remove or replace life preserver CO2 cartridges	84
K0350	Adjust pressures for life rafts	84
I0241	Adjust tension on personnel parachute system ripcord release grips or handles	84
I0281	Remove or replace personnel parachute system locator beacon antennas	84
I0264	Remove or replace personnel parachute system bridle lines	84
I0262	Remove or replace personnel parachute system automatic survival kit actuators	84
I0275	Remove or replace personnel parachute system emergency oxygen cylinders	84
F0148	Pack deceleration parachutes	79
F0144	Assess damage to determine repairability of deceleration parachutes	79
K0393	Weigh life raft CO2 cylinders	79
K0381	Remove or replace life raft CO2 cylinders	79

TABLE A3

Personnel Recovery System Maintenance Job (ST055)		PERCENT MEMBERS PERFORMING (N=60)
TASKS		
L0407	Pack life preservers	98
C0092	Clean sewing machines	98
L0397	Deflate life preservers	98
L0403	Inspect life preservers	97
L0426	Weigh life preserver CO2 cartridges	97
L0398	Functionally test life preservers	97
C0089	Change needles on sewing machines	97
A0002	Cut stencils	93
L0399	Inflate life preservers to perform leakage inspections	92
C0091	Change thread on sewing machines	92
C0094	Lubricate sewing machines	92
L0418	Remove or replace life preserver CO2 inflators	92
C0082	Adjust thread tensions	92
G0179	Pack drogue parachutes	90
L0417	Remove or replace life preserver CO2 cartridges	90
L0414	Remove or replace life preserver batteries	90
G0177	Inspect drogue parachutes	88
C0093	Inspect sewing machines	88
L0395	Assess damage to determine repairability of life preservers	88
N0460	Remove or replace LPU-9/P or LPU-9/AP inflators	87
A0004	Fabricate foreign object damage (FOD) bags	87
L0401	Inspect inflators for correct voltage reading	85
K0354	Assess damage to determine repairability of life rafts	85
J0307	Pack personnel recovery system parachutes	83
J0304	Inspect personnel recovery parachutes	83
D0104	Inspect universal water-activated release system (UWARS)	83
B0043	Clean stencil machines	83
B0041	Clean facilities	82
K0359	Deflate life rafts	82
K0362	Functionally test life rafts	82
K0393	Weigh life raft CO2 cylinders	82
L0416	Remove or replace life preserver containers	82
N0452	Inspect reefing line cutters	80
A0035	Stencil data onto items, such as equipment, clothing, or parachute components, other than personnel restraint equipment	80
P0510	Fabricate protective covers	80
L0408	Patch life preserver cells	80
O0471	Cement seams of anti-exposure suits, such as socks of 16/P, 21/P, or 74/P suits	80
O0481	Modify anti-G suits	78
J0302	Inspect and clean pitot tube assemblies	78
K0363	Inflate life rafts to perform leakage inspections	78
K0351	Apply talcum powder to life rafts	78
J0303	Inspect and clean mortar tube assemblies	77
K0350	Adjust pressures for life rafts	77
K0392	Visually inspect life rafts	75
C0097	Troubleshoot malfunctions on sewing machines	75
K0375	Perform scheduled tests of one-man life raft spray shields	75
O0494	Remove or replace hardware on anti-G suits	73

TABLE A4

Life Preserver Maintenance Job (ST051)		PERCENT MEMBERS PERFORMING (N=11)
TASKS		
L0397	Deflate life preservers	100
K0370	Pack life rafts	100
L0407	Pack life preservers	91
L0403	Inspect life preservers	91
L0399	Inflate life preservers to perform leakage inspections	91
L0398	Functionally test life preservers	91
K0359	Deflate life rafts	91
K0392	Visually inspect life rafts	91
L0417	Remove or replace life preserver CO2 cartridges	82
K0350	Adjust pressures for life rafts	82
A0035	Stencil data onto items, such as equipment, clothing, or parachute components, other than personnel restraint equipment	82
A0002	Cut stencils	82
L0395	Assess damage to determine repairability of life preservers	73
B0041	Clean facilities	73
L0426	Weigh life preserver CO2 cartridges	73
K0381	Remove or replace life raft CO2 cylinders	73
K0363	Inflate life rafts to perform leakage inspections	73
L0402	Inspect life preserver survival items, such as sea dye markers or whistles	64
L0416	Remove or replace life preserver containers	64
L0425	Visually inspect life preserver CO2 cartridges for serviceability	64
K0364	Inspect life raft accessory survival kits, carrying cases, or cylinder assemblies	64
K0393	Weigh life raft CO2 cylinders	64
K0362	Functionally test life rafts	64
C0082	Adjust thread tensions	64
C0089	Change needles on sewing machines	64
K0354	Assess damage to determine repairability of life rafts	55
B0042	Clean or wax parachute packing or work tables	55
B0044	Connect or disconnect shop air supply hoses	55
I0248	Inspect personnel parachutes, other than acceptance inspections	55
L0415	Remove or replace life preserver cells	55

TABLE A5

Flotation Equipment Maintenance Job (ST051)		PERCENT MEMBERS PERFORMING (N=69)
TASKS		
L0407	Pack life preservers	98
L0399	Inflate life preservers to perform leakage inspections	97
K0363	Inflate life rafts to perform leakage inspections	95
L0397	Deflate life preservers	95
K0359	Deflate life rafts	95
L0417	Remove or replace life preserver CO2 cartridges	95
L0403	Inspect life preservers	93
K0370	Pack life rafts	92
K0351	Apply talcum powder to life rafts	92
L0426	Weigh life preserver CO2 cartridges	90
L0398	Functionally test life preservers	90
L0395	Assess damage to determine repairability of life preservers	90
K0350	Adjust pressures for life rafts	89
K0392	Visually inspect life rafts	87
L0402	Inspect life preserver survival items, such as sea dye markers or whistles	87
C0091	Change thread on sewing machines	84
C0089	Change needles on sewing machines	84
A0002	Cut stencils	84
L0425	Visually inspect life preserver CO2 cartridges for serviceability	82
K0354	Assess damage to determine repairability of life rafts	82
C0094	Lubricate sewing machines	80
K0371	Patch life rafts	79
L0421	Remove or replace life preserver survival items, such as sea dye markers or whistles	75
B0041	Clean facilities	72
K0393	Weigh life raft CO2 cylinders	72
L0414	Remove or replace life preserver batteries	72
C0092	Clean sewing machines	70
K0362	Functionally test life rafts	70
K0388	Repack life rafts for wing-well installation	69
L0415	Remove or replace life preserver cells	69
I0245	Inspect personnel parachute system automatic ripcord	67
L0418	Remove or replace life preserver CO2 inflators	67
A0035	Stencil data onto items, such as equipment, clothing,	67
C0093	Inspect sewing machines	66
K0381	Remove or replace life raft CO2 cylinders	66
L0410	Perform continuity checks on life preserver lights or	64
L0408	Patch life preserver cells	64
I0251	Pack personnel parachutes	64
L0416	Remove or replace life preserver containers	64
P0510	Fabricate protective covers	64
P0501	Cut fabric for aircraft fabric items, such as avionics	64
K0364	Inspect life raft accessory survival kits, carrying	62
K0389	Repair or replace life raft carrying cases	62
B0044	Connect or disconnect shop air supply hoses	62
L0406	Operationally check life preserver oral inflation	61
L0413	Remove or replace damaged hardware on life preservers	57
P0506	Fabricate aircraft fabric items, such as avionics	57
A0004	Fabricate foreign object damage (FOD) bags	57

TABLE A6

Supervisory/Management Job (ST080)		PERCENT MEMBERS PERFORMING (N=42)
TASKS		
V0702	Establish performance standards for subordinates	100
V0733	Write or indorse military performance reports	98
V0715	Inspect personnel for compliance with military standards	98
V0710	Evaluate personnel for promotion, demotion, reclassification, or special awards	98
V0688	Counsel subordinates concerning personal matters	98
V0709	Evaluate personnel for compliance with performance standards	95
V0682	Conduct self-inspections or self-assessments	95
V0734	Write recommendations for awards or decorations	95
V0690	Determine or establish work assignments or priorities	93
V0716	Interpret policies, directives, or procedures for subordinates	93
V0687	Coordinate technical problems with project managers or other agencies	93
V0686	Conduct supervisory performance feedback sessions	90
V0678	Assign personnel to work areas or duty positions	90
V0689	Determine or establish logistics requirements, such as personnel, equipment, tools, parts, supplies, or workspace	90
V0680	Conduct general meetings, such as staff meetings, briefings, conferences, or workshops	88
V0728	Schedule personnel for temporary duty (TDY) assignments, leaves, or passes	86
V0696	Develop or establish work methods or procedures	86
W0739	Certify proficiency of subordinates	86
V0703	Establish procedures for accountability of equipment, tools, parts, or supplies	86
V0685	Conduct supervisory orientations for newly assigned personnel	86
V0722	Perform supervisor followup inspections	83
V0697	Develop or establish work schedules	83
V0707	Evaluate job hazards or compliance with Air Force Occupational Safety and Health (AFOSH) program	83
W0751	Evaluate progress of trainees	81
W0738	Brief personnel concerning training programs or matters	81
V0679	Assign sponsors for newly assigned personnel	81
W0754	Maintain training records or files	79
V0713	Initiate actions required due to substandard performance of personnel	79
V0708	Evaluate maintenance or utilization of equipment, tools, parts, supplies, or workspace	79
V0719	Perform quality assurance evaluations (QAE) or quality control (QC) inspections	76
V0681	Conduct ground safety inspections	74
W0744	Determine training requirements	71
W0742	Conduct OJT	71
W0743	Counsel trainees on training progress	71
V0718	Perform in-progress inspections	69
X0782	Review technical order changes	69
X0767	Initiate or maintain standby rosters or workcenter pyramid recall rosters	69
X0769	Maintain administrative files or records	67
W0750	Evaluate effectiveness of training programs, plans, or procedures	67
W0747	Develop training programs, plans, or procedures	67
V0735	Write replies to inspection reports	64

TABLE A6

Section Supervisor Job (ST082)		PERCENT MEMBERS PERFORMING (N=7)
TASKS		
I0248	Inspect personnel parachutes, other than acceptance inspections	100
I0251	Pack personnel parachutes	100
V0719	Perform quality assurance evaluations (QAE) or quality control (QC) inspections	100
V0688	Counsel subordinates concerning personal matters	100
I0266	Remove or replace personnel parachute system canopies	100
V0690	Determine or establish work assignments or priorities	100
I0289	Remove or replace personnel parachute system risers	100
I0285	Remove or replace personnel parachute system pack locking loops	100
W0742	Conduct OJT	100
V0686	Conduct supervisory performance feedback sessions	100
W0747	Develop training programs, plans, or procedures	100
I0291	Remove or replace personnel parachute system software, such as pockets, elastic keepers, or Velcro	100
W0743	Counsel trainees on training progress	100
I0294	Remove or replace personnel parachute system tackings	86
V0709	Evaluate personnel for compliance with performance standards	86
V0702	Establish performance standards for subordinates	86
V0718	Perform in-progress inspections	86
V0682	Conduct self-inspections or self-assessments	86
D0102	Hang parachutes	86
I0240	Adjust personnel parachute system four-line jettison lanyards	86
I0273	Remove or replace personnel parachute system dual housing clamps	86
W0739	Certify proficiency of subordinates	86
V0715	Inspect personnel for compliance with military standards	86
W0751	Evaluate progress of trainees	86
I0284	Remove or replace personnel parachute system manual ripcords	86
I0243	Assess damage to determine repairability of personnel parachutes	86
W0737	Administer or score tests	86
I0280	Remove or replace personnel parachute system hook blade knives	86
I0286	Remove or replace personnel parachute system pilot chutes	86
V0722	Perform supervisor followup inspections	86
B0053	Inspect parachute actuator testers	86
I0242	Assemble or disassemble personnel parachute systems	71
I0245	Inspect personnel parachute system automatic ripcord releases	71
I0255	Perform TCTO modifications of personnel parachutes	71
I0277	Remove or replace personnel parachute system fastener hardware, such as snaps, grommets, or zippers	71
I0282	Remove or replace personnel parachute system locator beacons	71
V0713	Initiate actions required due to substandard performance of personnel	71
V0716	Interpret policies, directives, or procedures for subordinates	71
C0091	Change thread on sewing machines	71
I0274	Remove or replace personnel parachute system ejector snaps	71
W0754	Maintain training records or files	71
C0092	Clean sewing machines	71
C0097	Troubleshoot malfunctions on sewing machines	71
V0685	Conduct supervisory orientations for newly assigned personnel	71
I0270	Remove or replace personnel parachute system connector links	71
I0281	Remove or replace personnel parachute system locator beacon antennas	71

TABLE A7

Special Operations Section Supervisor Job (ST078)		PERCENT MEMBERS PERFORMING (N=10)
TASKS		
X0784	Update parachute records	100
B0041	Clean facilities	100
Y0789	Evaluate serviceability of equipment, tools, parts, or supplies	100
C0093	Inspect sewing machines	100
C0089	Change needles on sewing machines	100
Y0803	Research computer systems or catalogues for supplies or equipment	90
C0091	Change thread on sewing machines	90
Y0794	Issue or log turn-ins of equipment, tools, parts, or supplies	90
V0682	Conduct self-inspections or self-assessments	90
V0700	Establish in-shop supply points	90
C0080	Adjust feed dogs	90
C0094	Lubricate sewing machines	90
C0097	Troubleshoot malfunctions on sewing machines	90
L0417	Remove or replace life preserver CO2 cartridges	90
L0426	Weigh life preserver CO2 cartridges	90
L0406	Operationally check life preserver oral inflation valves	90
Y0800	Pick up, deliver, or store equipment, tools, parts, or supplies, other than explosive devices	80
V0689	Determine or establish logistics requirements, such as personnel, equipment, tools, parts, supplies, or workspace	80
Y0793	Initiate requisitions for equipment, tools, parts, or supplies	80
X0782	Review technical order changes	80
Y0796	Maintain documentation on items requiring periodic inspections or calibrations	80
V0703	Establish procedures for accountability of equipment, tools, parts, or supplies	80
C0082	Adjust thread tensions	80
V0701	Establish organizational policies, such as operating instructions (OIs) or standard operating procedures (SOPs)	80
Y0791	Identify and report equipment or supply problems	80
V0707	Evaluate job hazards or compliance with Air Force Occupational Safety and Health (AFOSH) program	80
V0696	Develop or establish work methods or procedures	80
C0092	Clean sewing machines	80
C0083	Adjust thread controller assemblies	80
Y0802	Use tables of allowance (TAs)	80
V0708	Evaluate maintenance or utilization of equipment, tools, parts, supplies, or workspace	80
C0096	Time sewing machines	80
L0403	Inspect life preservers	80
L0395	Assess damage to determine repairability of life preservers	80
L0397	Deflate life preservers	80
L0415	Remove or replace life preserver cells	80
L0407	Pack life preservers	80
L0399	Inflate life preservers to perform leakage inspections	80
L0418	Remove or replace life preserver CO2 inflators	80
A0008	Fabricate tarps	80
L0416	Remove or replace life preserver containers	80
L0425	Visually inspect life preserver CO2 cartridges for serviceability	80
V0719	Perform quality assurance evaluations (QAE) or quality control (QC) inspections	70

TABLE A8

Organizational Clothing Maintenance Job (ST071)		PERCENT MEMBERS PERFORMING (N=9)
TASKS		
O0499	Sew Velcro tape onto protective or organizational clothing	100
O0475	Inspect anti-exposure suits	100
C0092	Clean sewing machines	100
C0094	Lubricate sewing machines	100
C0089	Change needles on sewing machines	100
A0002	Cut stencils	100
C0091	Change thread on sewing machines	89
O0477	Inspect organizational clothing, such as flight suits or survival vests	89
C0093	Inspect sewing machines	89
C0082	Adjust thread tensions	89
L0399	Inflate life preservers to perform leakage inspections	89
C0096	Time sewing machines	89
B0041	Clean facilities	78
O0471	Cement seams of anti-exposure suits, such as socks of 16/P, 21/P, or 74/P suits	78
P0510	Fabricate protective covers	78
L0398	Functionally test life preservers	78
A0004	Fabricate foreign object damage (FOD) bags	78
L0403	Inspect life preservers	78
L0397	Deflate life preservers	78
L0426	Weigh life preserver CO2 cartridges	78
L0407	Pack life preservers	78
L0425	Visually inspect life preserver CO2 cartridges for serviceability	78
O0492	Remove or replace anti-exposure suit parts, such as wristlets, socks, or boots	67
O0498	Sew items, such as name tags or unit patches, onto protective or organizational clothing	67
A0026	Perform FOD cleanup operations	67
O0495	Remove or replace protective clothing hardware, such as zippers	67
O0494	Remove or replace hardware on anti-G suits	67
B0044	Connect or disconnect shop air supply hoses	67
A0035	Stencil data onto items, such as equipment, clothing, or parachute components, other than personnel restraint equipment	67
L0395	Assess damage to determine repairability of life preservers	67
L0417	Remove or replace life preserver CO2 cartridges	67
B0043	Clean stencil machines	67
L0423	Restitch life preserver containers	67
O0483	Modify organizational clothing, such as flight suits or survival vests	56
B0042	Clean or wax parachute packing or work tables	56
O0481	Modify anti-G suits	56
O0476	Inspect anti-gravity (anti-G) suits	56
C0097	Troubleshoot malfunctions on sewing machines	56
C0083	Adjust thread controller assemblies	56
L0406	Operationally check life preserver oral inflation valves	56

TABLE A9

Personnel Parachute System Maintenance Job (ST042)		PERCENT MEMBERS PERFORMING (N=15)
TASKS		
I0251	Pack personnel parachutes	100
C0093	Inspect sewing machines	100
C0092	Clean sewing machines	100
C0094	Lubricate sewing machines	93
A0002	Cut stencils	93
I0242	Assemble or disassemble personnel parachute systems	87
I0245	Inspect personnel parachute system automatic ripcord releases	87
B0043	Clean stencil machines	87
C0082	Adjust thread tensions	87
I0289	Remove or replace personnel parachute system risers	87
B0041	Clean facilities	80
A0035	Stencil data onto items, such as equipment, clothing, or parachute components, other than personnel restraint equipment	80
I0294	Remove or replace personnel parachute system tackings	80
I0285	Remove or replace personnel parachute system pack locking loops	80
C0089	Change needles on sewing machines	80
C0091	Change thread on sewing machines	73
I0248	Inspect personnel parachutes, other than acceptance inspections	73
I0266	Remove or replace personnel parachute system canopies	73
I0259	Remove or replace personnel parachute system automatic opening devices	67
I0243	Assess damage to determine repairability of personnel parachutes	67
B0056	Inspect stencil machines	67
I0286	Remove or replace personnel parachute system pilot chutes	67
B0042	Clean or wax parachute packing or work tables	60
I0241	Adjust tension on personnel parachute system ripcord release grips or handles	60
I0240	Adjust personnel parachute system four-line jettison lanyards	60
I0282	Remove or replace personnel parachute system locator beacons	60
I0255	Perform TCTO modifications of personnel parachutes	60
D0102	Hang parachutes	53
B0044	Connect or disconnect shop air supply hoses	53
I0279	Remove or replace personnel parachute system harnesses	53
A0004	Fabricate foreign object damage (FOD) bags	53
P0529	Sew loose seams of protective covers	53
I0281	Remove or replace personnel parachute system locator beacon antennas	53
K0351	Apply talcum powder to life rafts	53
L0403	Inspect life preservers	53
I0254	Perform personnel parachute acceptance inspections	47
B0053	Inspect parachute actuator testers	47
I0246	Inspect personnel parachute system locator beacons	47
K0363	Inflate life rafts to perform leakage inspections	47
B0064	Maintain parachute actuator testers	47
K0350	Adjust pressures for life rafts	47
I0249	Install SRU-16/P minimum survival kits	47
N0462	Remove or replace pyrotechnic automatic opening devices	47

TABLE A10

Fabrication Job (ST061) TASKS		PERCENT MEMBERS PERFORMING (N=17)
P0503	Design patterns for protective covers	100
C0091	Change thread on sewing machines	100
P0502	Design patterns for aircraft fabric items, such as avionics nets, bunk covers, or dust covers	100
Q0537	Fabricate aircraft covers, such as seat, headrest, or armrest covers	100
C0093	Inspect sewing machines	100
P0529	Sew loose seams of protective covers	100
C0092	Clean sewing machines	100
C0094	Lubricate sewing machines	100
C0082	Adjust thread tensions	100
C0089	Change needles on sewing machines	100
P0526	Remove or replace protective cover hardware	94
P0525	Remove or replace fabric item hardware	94
P0528	Sew loose seams of aircraft fabric items	94
P0513	Inspect protective covers to determine repairability	94
A0004	Fabricate foreign object damage (FOD) bags	94
C0083	Adjust thread controller assemblies	94
P0506	Fabricate aircraft fabric items, such as avionics nets, bunk covers, or dust covers	88
B0041	Clean facilities	88
P0510	Fabricate protective covers	88
P0501	Cut fabric for aircraft fabric items, such as avionics nets, bunk covers, or dust covers	88
P0517	Lay out protective cover patterns	88
A0005	Fabricate guidons, pennants, flags, or banners	88
A0008	Fabricate tarps	88
Q0541	Fabricate privacy curtains	88
C0096	Time sewing machines	88
C0080	Adjust feed dogs	88
C0090	Change presser feet on sewing machines	88
Q0551	Remove or replace aircraft covers, such as seat, headrest, or armrest covers	82
A0026	Perform FOD cleanup operations	82
Q0538	Fabricate aircraft headliners	82
Q0533	Cut insulating materials for aircraft soundproofing	82
Q0554	Remove or replace aircraft upholstery hardware	82
Q0558	Repair aircraft covers, such as seat, headrest, or armrest covers	82
C0097	Troubleshoot malfunctions on sewing machines	82
Q0532	Cut foam rubber for aircraft mattresses or seat cushions	76
P0504	Design prototypes for aircraft fabric items	76
Q0531	Cut fabric for aircraft soundproofing	76
Q0560	Sew aircraft insulation	76
Q0543	Inspect aircraft upholstery	76
A0013	Install or remove hardware on tarps	76
Q0536	Fabricate aircraft blanket insulation	71
P0527	Replace damaged sections of protective covers	71
Q0545	Modify aircraft upholstery	71
P0505	Fabricate aircraft fabric item patches, such as aircraft blowout or inspection hole patches	71
P0520	Patch protective covers	71
A0003	Fabricate bumper pads	71
P0516	Interpret blueprints for protective covers	71

TABLE A11

Mobile Equipment Maintenance Job (ST066)		PERCENT MEMBERS PERFORMING (N=5)
TASKS		
C0094	Lubricate sewing machines	100
T0622	Patch tents	100
C0082	Adjust thread tensions	100
C0091	Change thread on sewing machines	100
T0627	Repair or replace tent zippers	100
T0628	Repair tent flies	100
C0089	Change needles on sewing machines	100
P0503	Design patterns for protective covers	80
C0093	Inspect sewing machines	80
C0092	Clean sewing machines	80
P0525	Remove or replace fabric item hardware	80
P0526	Remove or replace protective cover hardware	80
T0625	Repair or replace tent plastic windows	80
U0676	Set up or tear down shelters	80
T0619	Patch portable buildings	80
P0529	Sew loose seams of protective covers	80
T0624	Remove or replace tent hardware, other than zippers	80
T0626	Repair or replace tent screens	80
T0634	Sew seams of tents	80
C0097	Troubleshoot malfunctions on sewing machines	80
T0633	Sew seams of tent liners	80
T0629	Replace damaged fabric on mobile site equipment, such as portable showers or folding chairs	80
C0096	Time sewing machines	80
C0080	Adjust feed dogs	80
U0653	Erect tents	80
Y0803	Research computer systems or catalogues for supplies or equipment	80
C0084	Assemble or disassemble face assemblies	80
V0686	Conduct supervisory performance feedback sessions	80
C0085	Assemble or disassemble hook drive shafts	80
V0685	Conduct supervisory orientations for newly assigned personnel	80
C0087	Change lamps on sewing machines	80
P0514	Inspect protective covers, other than to determine repairability	60
A0021	Modify tarps	60
A0024	Patch tarps	60
P0513	Inspect protective covers to determine repairability	60
A0013	Install or remove hardware on tarps	60
P0510	Fabricate protective covers	60
P0527	Replace damaged sections of protective covers	60
T0618	Apply Velcro tape to inflatable buildings or tents	60
P0516	Interpret blueprints for protective covers	60
A0008	Fabricate tarps	60

TABLE A12

Aerial Delivery Squadron Job (ST050)		PERCENT MEMBERS PERFORMING (N=13)
TASKS		
E0118	Inspect cargo parachutes	100
E0115	Assess damage to determine repairability of cargo parachutes	100
C0092	Clean sewing machines	100
C0094	Lubricate sewing machines	100
C0089	Change needles on sewing machines	100
C0082	Adjust thread tensions	100
C0080	Adjust feed dogs	100
E0117	Fabricate standard air drop training bundles (SATBs)	92
E0120	Pack cargo parachutes	92
E0114	Assemble or disassemble cargo parachute systems	92
E0121	Patch cargo parachute system canopies	92
E0116	Darn cargo parachute system canopies	92
C0091	Change thread on sewing machines	92
C0097	Troubleshoot malfunctions on sewing machines	92
E0125	Recover cargo parachutes from off-station drop zones	85
C0093	Inspect sewing machines	85
C0096	Time sewing machines	85
E0127	Remove or replace cargo parachute system bridle lines	77
E0128	Remove or replace cargo parachute system canopies	77
W0742	Conduct OJT	69
E0119	Modify cargo parachute system components, other than time compliance technical order (TCTO) modifications	69
E0123	Perform cargo parachute acceptance inspections	69
E0130	Remove or replace cargo parachute system connector links	69
E0140	Remove or replace cargo parachute system suspension lines	69
C0083	Adjust thread controller assemblies	69
D0102	Hang parachutes	62
X0784	Update parachute records	62
E0129	Remove or replace cargo parachute system canopy panels	62
E0135	Remove or replace cargo parachute system pilot chutes	62
E0124	Perform TCTO modifications of cargo parachutes	62
B0041	Clean facilities	54
R0577	Sew CDS slings	54

APPENDIX B

SELECTED TASK MODULES

Table B1**TM001 - FIGHTER/BOMBER RELATED SYSTEMS MAINTENANCE**

D0103	Inspect seawater-activated release system (SEAWARS) canopy releases for correct voltage reading
D0104	Inspect universal water-activated release system (UWARS)
G0174	Assemble or disassemble drogue parachute systems
G0175	Assess damage to determine repairability of drogue parachutes
G0177	Inspect drogue parachutes
G0179	Pack drogue parachutes
G0182	Perform drogue parachute acceptance inspections
G0183	Perform TCTO modifications of drogue parachutes
G0186	Remove or replace drogue parachute system canopies
G0197	Rig drogue parachutes
J0299	Assemble or disassemble personnel recovery system parachutes
J0300	Assess damage to determine repairability of personnel recovery parachutes
J0302	Inspect and clean pitot tube assemblies
J0303	Inspect and clean mortar tube assemblies
J0304	Inspect personnel recovery parachutes
J0307	Pack personnel recovery system parachutes
J0310	Perform personnel recovery parachute acceptance inspections
J0311	Perform TCTO modifications of personnel recovery system parachutes
J0312	Remove or replace mortar tube assemblies
J0316	Remove or replace personnel recovery system parachute canopies
J0320	Remove or replace personnel recovery system parachute connector links
J0321	Remove or replace personnel recovery system parachute containers, such as packs
J0322	Remove or replace personnel recovery system parachute cross-connector straps
J0325	Remove or replace personnel recovery system parachute fastener hardware, such as snaps, grommets, or zippers
J0326	Remove or replace personnel recovery system parachute flaps
J0327	Remove or replace personnel recovery system parachute four-line jettison lanyards
J0335	Remove or replace personnel recovery system parachute pilot chutes
J0336	Remove or replace personnel recovery system parachute reefing lines
J0339	Remove or replace personnel recovery system parachute risers
J0340	Remove or replace personnel recovery system parachute software, such as pockets, elastic keepers, or Velcro
J0342	Remove or replace personnel recovery system parachute tackings
J0343	Remove or replace personnel recovery system parachute Teflon retainers or rub strips
J0346	Remove or replace pitot tube assemblies
J0347	Repaint ACES II containers
J0348	Repair mortar tube assemblies
J0349	Replace personnel recovery system container fillers
N0449	Arm reefing line cutters
N0452	Inspect reefing line cutters
N0463	Remove or replace reefing line cutters
N0464	Remove or replace SEAWARS canopy release fittings
N0467	Remove or replace UWARS canopy release fittings
O0476	Inspect anti-gravity (anti-G) suits
O0481	Modify anti-G suits
O0494	Remove or replace hardware on anti-G suits
O0497	Repair anti-G suits, other than replacing hardware

Table B2**TM003 - FILE MANAGEMENT**

X0759 Compile data for records, reports, logs, or trend analyses
X0766 Initiate requests for TDY orders
X0767 Initiate or maintain standby rosters or workcenter pyramid recall rosters
X0769 Maintain administrative files or records
X0771 Maintain historical records
X0773 Maintain publications libraries, other than technical order libraries
X0776 Maintain or update status indicators, such as boards, graphs, or charts
X0777 Participate in TCTO meetings
X0780 Review periodic precision measurement equipment laboratory (PMEL) reports
X0781 Review periodic test measurement and diagnostic equipment (TMDE) reports
X0783 Submit corrections to TO discrepancies
X0785 Update policy directives, instructions, or manuals
Y0792 Initiate materiel deficiency reports (MDRs) on equipment

Table B3**TM005 - SEWING MACHINE MAINTENANCE (5-SKILL LEVEL)**

B0041 Clean facilities
C0080 Adjust feed dogs
C0082 Adjust thread tensions
C0083 Adjust thread controller assemblies
C0089 Change needles on sewing machines
C0091 Change thread on sewing machines
C0092 Clean sewing machines
C0093 Inspect sewing machines
C0094 Lubricate sewing machines
C0096 Time sewing machines
C0097 Troubleshoot malfunctions on sewing machines

Table B4**TM006 - FLOTATION EQUIPMENT MAINTENANCE (5-SKILL LEVEL)**

K0350 Adjust pressures for life rafts
K0351 Apply talcum powder to life rafts
K0354 Assess damage to determine repairability of life rafts
K0359 Deflate life rafts
K0362 Functionally test life rafts
K0363 Inflate life rafts to perform leakage inspections
K0370 Pack life rafts
K0371 Patch life rafts
K0381 Remove or replace life raft CO2 cylinders
K0392 Visually inspect life rafts
K0393 Weigh life raft CO2 cylinders
L0395 Assess damage to determine repairability of life preservers
L0397 Deflate life preservers
L0398 Functionally test life preservers
L0399 Inflate life preservers to perform leakage inspections

- L0403 Inspect life preservers
- L0406 Operationally check life preserver oral inflation valves
- L0407 Pack life preservers
- L0408 Patch life preserver cells
- L0414 Remove or replace life preserver batteries
- L0415 Remove or replace life preserver cells
- L0416 Remove or replace life preserver containers
- L0417 Remove or replace life preserver CO2 cartridges
- L0418 Remove or replace life preserver CO2 inflators
- L0425 Visually inspect life preserver CO2 cartridges for serviceability
- L0426 Weigh life preserver CO2 cartridges

Table B5

TM007 - ORGANIZATIONAL CLOTHING MAINTENANCE

- O0477 Inspect organizational clothing, such as flight suits or survival vests
- O0483 Modify organizational clothing, such as flight suits or survival vests
- O0487 Patch organizational clothing, such as flight suits or survival vests
- O0498 Sew items, such as name tags or unit patches, onto protective or organizational clothing
- O0499 Sew Velcro tape onto protective or organizational clothing

Table B6

TM008 - FABRICATION (PROTECTIVE COVERS)

- A0008 Fabricate tarps
- A0013 Install or remove hardware on tarps
- A0017 Modify FOD bags
- A0021 Modify tarps
- A0024 Patch tarps
- A0028 Repair FOD bags
- P0501 Cut fabric for aircraft fabric items, such as avionics nets, bunk covers, or dust covers
- P0502 Design patterns for aircraft fabric items, such as avionics nets, bunk covers, or dust covers
- P0503 Design patterns for protective covers
- P0504 Design prototypes for aircraft fabric items
- P0506 Fabricate aircraft fabric items, such as avionics nets, bunk covers, or dust covers
- P0510 Fabricate protective covers
- P0512 Inspect aircraft fabric items, such as avionics nets, bunk covers, or dust covers
- P0513 Inspect protective covers to determine repairability
- P0514 Inspect protective covers, other than to determine repairability
- P0515 Interpret blueprints for aircraft fabric items
- P0516 Interpret blueprints for protective covers
- P0517 Lay out protective cover patterns
- P0518 Modify aircraft fabric items, such as avionics nets, bunk covers, or dust covers, other than TCTO modifications
- P0520 Patch protective covers
- P0525 Remove or replace fabric item hardware
- P0526 Remove or replace protective cover hardware
- P0527 Replace damaged sections of protective covers
- P0528 Sew loose seams of aircraft fabric items
- P0529 Sew loose seams of protective covers

Table B7**TM009 - FLOTATION EQUIPMENT MAINTENANCE (7-SKILL LEVEL)**

K0358	Clean life rafts
K0364	Inspect life raft accessory survival kits, carrying cases, or cylinder assemblies
K0367	Operationally check life raft inlet check valves
K0368	Operationally check life raft oral inflation valves
K0372	Perform functional tests of life raft vent manifolds
K0373	Perform life raft acceptance inspections
K0374	Perform scheduled tests of one-man life raft inflatable floors
K0375	Perform scheduled tests of one-man life raft spray shields
K0376	Perform TCTO modifications of life rafts
K0378	Prepare life raft cylinders for condemnation or shipping
K0379	Process life raft cylinders for refilling
K0382	Remove or replace life raft fastener hardware, such as grommets or fasteners
K0383	Remove or replace life raft items, such as sea anchors or heaving lines
K0388	Repack life rafts for wing-well installation
K0389	Repair or replace life raft carrying cases
K0391	Update life raft configurations
L0396	Clean life preservers
L0400	Inspect and measure life preserver CO2 retaining straps
L0402	Inspect life preserver survival items, such as sea dye markers or whistles
L0405	Modify life preserver containers
L0409	Patch life preserver containers
L0410	Perform continuity checks on life preserver lights or batteries
L0411	Perform pull tests for life preserver Velcro
L0412	Perform TCTO modifications of life preservers
L0413	Remove or replace damaged hardware on life preservers
L0419	Remove or replace life preserver lanyards
L0421	Remove or replace life preserver survival items, such as sea dye markers or whistles
L0423	Restitch life preserver containers
L0424	Update life preserver configurations

Table B8**TM010 - SEWING MACHINE MAINTENANCE (7-SKILL LEVEL)**

C0081	Adjust sewing machine tables
C0084	Assemble or disassemble face assemblies
C0085	Assemble or disassemble hook drive shafts
C0086	Assemble or disassemble upper and lower shafts
C0087	Change lamps on sewing machines
C0088	Change needle guards on sewing machines
C0090	Change presser feet on sewing machines

Table B9**TM011 – PERSONNEL PARACHUTE SYSTEM MAINTENANCE (5-SKILL LEVEL)**

B0053	Inspect parachute actuator testers
B0064	Maintain parachute actuator testers
B0067	Perform cursory checks of parachute actuator testers
I0240	Adjust personnel parachute system four-line jettison lanyards
I0241	Adjust tension on personnel parachute system ripcord release grips or handles
I0242	Assemble or disassemble personnel parachute systems
I0243	Assess damage to determine repairability of personnel parachutes
I0244	Inspect personnel parachute system personnel lowering devices (PLDs)
I0245	Inspect personnel parachute system automatic ripcord releases
I0246	Inspect personnel parachute system locator beacons
I0248	Inspect personnel parachutes, other than acceptance inspections
I0249	Install SRU-16/P minimum survival kits
I0251	Pack personnel parachutes
I0253	Perform functional tests of personnel parachute system canopy releases
I0254	Perform personnel parachute acceptance inspections
I0255	Perform TCTO modifications of personnel parachutes
I0256	Remove or replace personnel parachute PLDs
I0257	Remove or replace personnel parachute system accessory pockets, such as radio beacon or survival kit pockets
I0259	Remove or replace personnel parachute system automatic opening devices
I0260	Remove or replace personnel parachute system automatic ripcord release retainer plates
I0264	Remove or replace personnel parachute system bridle lines
I0266	Remove or replace personnel parachute system canopies
I0268	Remove or replace personnel parachute system canopy quick-release assemblies
I0270	Remove or replace personnel parachute system connector links
I0271	Remove or replace personnel parachute system containers, such as packs
I0272	Remove or replace personnel parachute system CRU-60 brackets
I0273	Remove or replace personnel parachute system dual housing clamps
I0274	Remove or replace personnel parachute system ejector snaps
I0275	Remove or replace personnel parachute system emergency oxygen cylinders
I0277	Remove or replace personnel parachute system fastener hardware, such as snaps, grommets, or zippers
I0278	Remove or replace personnel parachute system four-line jettison lanyards
I0279	Remove or replace personnel parachute system harnesses
I0280	Remove or replace personnel parachute system hook blade knives
I0281	Remove or replace personnel parachute system locator beacon antennas
I0282	Remove or replace personnel parachute system locator beacons
I0283	Remove or replace personnel parachute system manual ripcord retainers
I0284	Remove or replace personnel parachute system manual ripcords
I0285	Remove or replace personnel parachute system pack locking loops
I0286	Remove or replace personnel parachute system pilot chutes
I0288	Remove or replace personnel parachute system ripcord housings
I0289	Remove or replace personnel parachute system risers
I0291	Remove or replace personnel parachute system software, such as pockets, elastic keepers, or Velcro
I0294	Remove or replace personnel parachute system tackings
I0295	Remove or replace personnel parachute system V-rings
I0296	Remove or replace Teflon tape on personnel parachute system PLDs
I0297	Replace outdated "Survival Uses of the Parachute" pamphlets
N0450	Inspect emergency oxygen cylinders
N0451	Inspect pyrotechnic opening devices
N0461	Remove or replace parachute time-delay cartridges

- N0462 Remove or replace pyrotechnic automatic opening devices
- N0469 Test pyrotechnical parachute ripcord release actuators

Table B10

TM012 - REFURBISHMENT

- P0505 Fabricate aircraft fabric item patches, such as aircraft blowout or inspection hole patches
- P0509 Fabricate inlet or exhaust plugs
- P0519 Modify inlet or exhaust plugs
- P0521 Patch wheel well covers
- P0522 Perform TCTO modifications of aircraft fabric items
- P0523 Perform TCTO modifications of protective covers
- P0524 Remove or replace aircraft fabric item patches, such as aircraft blowout or inspection hole patches
- Q0530 Clean aircraft soundproofing
- Q0531 Cut fabric for aircraft soundproofing
- Q0532 Cut foam rubber for aircraft mattresses or seat cushions
- Q0533 Cut insulating materials for aircraft soundproofing
- Q0535 Design patterns for aircraft blanket insulation
- Q0536 Fabricate aircraft blanket insulation
- Q0537 Fabricate aircraft covers, such as seat, headrest, or armrest covers
- Q0538 Fabricate aircraft headliners
- Q0541 Fabricate privacy curtains
- Q0542 Inspect aircraft soundproofing
- Q0543 Inspect aircraft upholstery
- Q0544 Modify aircraft insulation
- Q0545 Modify aircraft upholstery
- Q0546 Patch aircraft insulation
- Q0547 Perform TCTO modifications of aircraft soundproofing
- Q0548 Recover aircraft headliners
- Q0549 Remove or replace aircraft batting insulation
- Q0550 Remove or replace aircraft blanket insulation
- Q0551 Remove or replace aircraft covers, such as seat, headrest, or armrest covers
- Q0553 Remove or replace aircraft soundproofing hardware
- Q0554 Remove or replace aircraft upholstery hardware
- Q0555 Remove or replace Velcro tape on aircraft soundproofing
- Q0556 Repair aircraft batting insulation, other than patching
- Q0557 Repair aircraft blanket insulation, other than patching
- Q0558 Repair aircraft covers, such as seat, headrest, or armrest covers
- Q0560 Sew aircraft insulation

Table B11

TM013 - LIFE RAFT MAINTENANCE

- K0352 Assemble or disassemble life raft compressed air cylinders
- K0353 Assemble or disassemble life raft carbon dioxide (CO2) cylinders
- K0355 Bleed life raft CO2 cylinders
- K0356 Bleed life raft compressed air cylinders
- K0357 Check pressure readings of life raft compressed air cylinders
- K0377 Perform vent checks on life raft CO2 cylinders
- K0380 Remove or replace life raft compressed air cylinders

K0385 Remove or replace life raft manifold valve parts
 K0386 Remove or replace life raft oral inflation valves
 K0387 Repack life rafts for fuselage installation
 K0390 Safety wire life raft valve assemblies
 L0420 Remove or replace life preserver oral inflation valves

Table B12

TM014 - PROTECTIVE CLOTHING MAINTENANCE (GENERAL)

O0473 Clean anti-exposure suits or accessories
 O0475 Inspect anti-exposure suits
 O0479 Lubricate zippers on anti-exposure suits
 O0480 Modify anti-exposure suits
 O0484 Pack anti-exposure suits
 O0486 Patch anti-exposure suits
 O0488 Patch protective clothing
 O0491 Perform TCTO modifications of protective clothing
 O0493 Remove or replace hardware on anti-exposure suits
 O0500 Test anti-exposure suits for serviceability

Table B13

TM015 - EXPLOSIVE DEVICES MAINTENANCE

N0455 Inventory parachute explosive devices
 N0456 Maintain explosive class and division requirements placards
 N0457 Maintain facilities explosives licenses
 N0458 Remove parachute explosive devices from storage
 N0468 Store parachute explosive devices

Table B14

TM016 - SPECIAL-OPS RELATED EQUIPMENT MAINTENANCE

D0098 Clean parachute system back pads or seat cushions
 D0099 Clean parachute system deployment bags or containers
 D0100 Clean parachute system harnesses
 D0105 Patch parachute system containers
 D0106 Patch parachute system deployment bags
 D0107 Patch parachute system harnesses
 D0108 Patch parachute system packs
 D0109 Prepare parachutes for shipment
 D0110 Prepare parachutes for storage
 D0111 Wash parachute system canopies

Table B15

TM018 - SUPPLY MONITOR

Y0787 Coordinate maintenance of equipment with appropriate agencies
Y0789 Evaluate serviceability of equipment, tools, parts, or supplies
Y0791 Identify and report equipment or supply problems
Y0793 Initiate requisitions for equipment, tools, parts, or supplies
Y0794 Issue or log turn-ins of equipment, tools, parts, or supplies
Y0796 Maintain documentation on items requiring periodic inspections or calibrations
Y0798 Maintain organizational equipment or supply records
Y0800 Pick up, deliver, or store equipment, tools, parts, or supplies, other than explosive devices
Y0801 Use standard base supply system (SBSS)
Y0802 Use tables of allowance (TAs)
Y0803 Research computer systems or catalogues for supplies or equipment

Table B16

TM019 - PUBS MANAGMENT

X0772 Maintain materiel safety data sheets (MSDSs)
X0774 Maintain TCTOs
X0775 Maintain technical order libraries or files
X0782 Review technical order changes

Table B17

TM020 - OJT TRAINING SUPERVISOR

V0678 Assign personnel to work areas or duty positions
V0679 Assign sponsors for newly assigned personnel
V0680 Conduct general meetings, such as staff meetings, briefings, conferences, or workshops
V0681 Conduct ground safety inspections
V0682 Conduct self-inspections or self-assessments
V0685 Conduct supervisory orientations for newly assigned personnel
V0686 Conduct supervisory performance feedback sessions
V0687 Coordinate technical problems with project managers or other agencies
V0688 Counsel subordinates concerning personal matters
V0689 Determine or establish logistics requirements, such as personnel, equipment, tools, parts, supplies, or workspace
V0690 Determine or establish work assignments or priorities
V0696 Develop or establish work methods or procedures
V0697 Develop or establish work schedules
V0702 Establish performance standards for subordinates
V0703 Establish procedures for accountability of equipment, tools, parts, or supplies
V0707 Evaluate job hazards or compliance with Air Force Occupational Safety and Health (AFOSH) program
V0708 Evaluate maintenance or utilization of equipment, tools, parts, supplies, or workspace
V0709 Evaluate personnel for compliance with performance standards
V0710 Evaluate personnel for promotion, demotion, reclassification, or special awards
V0713 Initiate actions required due to substandard performance of personnel
V0715 Inspect personnel for compliance with military standards
V0716 Interpret policies, directives, or procedures for subordinates
V0718 Perform in-progress inspections

V0719 Perform quality assurance evaluations (QAE) or quality control (QC) inspections
 V0722 Perform supervisor followup inspections
 V0728 Schedule personnel for temporary duty (TDY) assignments, leaves, or passes
 V0733 Write or indorse military performance reports
 V0734 Write recommendations for awards or decorations
 W0738 Brief personnel concerning training programs or matters
 W0739 Certify proficiency of subordinates
 W0742 Conduct OJT
 W0743 Counsel trainees on training progress
 W0744 Determine training requirements
 W0751 Evaluate progress of trainees
 W0754 Maintain training records or files

Table B18

TM021 - TRAINING MANAGER

W0737 Administer or score tests
 W0746 Develop written tests
 W0747 Develop training programs, plans, or procedures
 W0748 Develop or procure training materials or aids
 W0749 Establish or maintain study reference files
 W0750 Evaluate effectiveness of training programs, plans, or procedures
 W0752 Evaluate training methods or techniques of instructors
 W0753 Inspect training materials or aids for operation or suitability
 W0757 Prepare job qualification standards (JQSs)

Table B19

TM029 - DRAG CHUTE MAINTENANCE

F0142 Assemble or disassemble deceleration parachute system canisters
 F0143 Assemble or disassemble deceleration parachute systems
 F0144 Assess damage to determine repairability of deceleration parachutes
 F0145 Darn deceleration parachute system canopies
 F0146 Inspect deceleration parachutes
 F0147 Modify deceleration parachute system components, other than TCTO modifications
 F0148 Pack deceleration parachutes
 F0149 Patch deceleration parachute system canopies
 F0150 Patch deceleration parachute system pilot chutes
 F0151 Perform deceleration parachute acceptance inspections
 F0152 Perform TCTO modifications of deceleration parachutes
 F0153 Remove or replace deceleration parachute system adapters
 F0154 Remove or replace deceleration parachute system bridle lines
 F0155 Remove or replace deceleration parachute system buffer strips
 F0156 Remove or replace deceleration parachute system canister components
 F0157 Remove or replace deceleration parachute system canopies
 F0158 Remove or replace deceleration parachute system canopy panels
 F0159 Remove or replace deceleration parachute system connector links
 F0160 Remove or replace deceleration parachute system containers, such as packs
 F0161 Remove or replace deceleration parachute system deployment bag retainer loops
 F0162 Remove or replace deceleration parachute system deployment bag retainer plates
 F0163 Remove or replace deceleration parachute system extraction lines

- F0164 Remove or replace deceleration parachute system fastener hardware, such as snaps, grommets, or zippers
- F0165 Remove or replace deceleration parachute system pilot chutes
- F0166 Remove or replace deceleration parachute system radial or horizontal ribbons
- F0167 Remove or replace deceleration parachute system riser protector sleeves
- F0168 Remove or replace deceleration parachute system risers
- F0169 Remove or replace deceleration parachute system software, such as pockets or elastic keepers
- F0170 Remove or replace deceleration parachute system suspension lines
- F0172 Remove or replace deceleration parachute system terminals
- F0173 Splice deceleration parachute system broken suspension lines

Table B20

TM031 - MOBILITY EQUIPMENT MAINTENANCE

- T0618 Apply Velcro tape to inflatable buildings or tents
- T0619 Patch portable buildings
- T0620 Patch tent insulation
- T0621 Patch tent liners
- T0622 Patch tents
- T0623 Patch vehicle covers
- T0624 Remove or replace tent hardware, other than zippers
- T0625 Repair or replace tent plastic windows
- T0626 Repair or replace tent screens
- T0627 Repair or replace tent zippers
- T0628 Repair tent flies
- T0629 Replace damaged fabric on mobile site equipment, such as portable showers or folding chairs
- T0630 Replace damaged sections of camouflage nettings
- T0632 Sew seams of tent insulation
- T0633 Sew seams of tent liners
- T0634 Sew seams of tents
- T0635 Sew seams of vehicle covers
- U0638 Complete operations plan (OPLAN) sourcing requirements
- U0639 Compute OPLAN requirements status listings
- U0640 Conduct contingency operation/mobility planning and execution system (COMPES) programs
- U0641 Conduct mobility or deployment site surveys
- U0642 Coordinate deployment of personnel with other MAJCOMs or joint service commands
- U0643 Coordinate exercise sourcing requirements with functional managers
- U0644 Coordinate mobility or contingency requirements with appropriate agencies
- U0645 Coordinate specific source of personnel requirements with appropriate agencies
- U0646 Determine cost factors for support agreements
- U0647 Determine specific source of personnel requirements for deployment manning documents
- U0649 Develop mobility inspection checklists
- U0650 Dig trenches
- U0652 Draft or write mobility or deployment after-action reports
- U0653 Erect tents
- U0657 Maintain accountability of personnel selected to fill OPLAN requirements
- U0658 Maintain base OPLAN files
- U0659 Maintain disaster preparedness checklists
- U0661 Perform camouflage procedures
- U0662 Perform camp security
- U0664 Perform cover and concealment techniques for work party security
- U0665 Perform disease and pestilence countermeasures
- U0668 Perform plans file and mobility file matches

- U0670 Perform or set up site security
- U0672 Prepare sites at deployed locations, such as cutting grass or removing snow
- U0674 Provide OPLAN requirements status listings to unit commanders
- U0675 Request or distribute mobility requirements documents
- U0676 Set up or tear down shelters

Table B21

TM032 – AERIAL DELIVERY SQUADRON/MOBILE AERIAL PORT SQUADRON
EQUIPMENT MAINTENANCE

- E0114 Assemble or disassemble cargo parachute systems
- E0115 Assess damage to determine repairability of cargo parachutes
- E0116 Darn cargo parachute system canopies
- E0117 Fabricate standard air drop training bundles (SATBs)
- E0118 Inspect cargo parachutes
- E0119 Modify cargo parachute system components, other than time compliance technical order (TCTO) modifications
- E0120 Pack cargo parachutes
- E0121 Patch cargo parachute system canopies
- E0122 Patch cargo parachute system pilot chutes
- E0123 Perform cargo parachute acceptance inspections
- E0124 Perform TCTO modifications of cargo parachutes
- E0125 Recover cargo parachutes from off-station drop zones
- E0126 Remove or replace cargo parachute system adapters
- E0127 Remove or replace cargo parachute system bridle lines
- E0128 Remove or replace cargo parachute system canopies
- E0129 Remove or replace cargo parachute system canopy panels
- E0130 Remove or replace cargo parachute system connector links
- E0131 Remove or replace cargo parachute system cutter actuators
- E0132 Remove or replace cargo parachute system extender straps
- E0133 Remove or replace cargo parachute system extraction lines
- E0134 Remove or replace cargo parachute system fastener hardware, such as snaps or grommets
- E0135 Remove or replace cargo parachute system pilot chutes
- E0136 Remove or replace cargo parachute system recovery load lines
- E0137 Remove or replace cargo parachute system reefing lines
- E0138 Remove or replace cargo parachute system software, such as pockets or elastic keepers
- E0139 Remove or replace cargo parachute system static lines
- E0140 Remove or replace cargo parachute system suspension lines
- R0562 Fabricate cargo nets
- R0563 Fabricate slings
- R0565 Inspect container delivery systems (CDSs)
- R0568 Inspect slings
- R0573 Remove or replace CDS hardware
- R0575 Remove or replace sling hardware
- R0577 Sew CDS slings
- R0580 Sew loose seams on slings
- U0656 Load plan aircraft for deployments